

Forty-Sixth Annual Report

of

**The Hydro-Electric Power Commission
of Ontario**

1953



This Report is published pursuant to The Power Commission Act,
Revised Statutes of Ontario, 1950, Chapter 281, Section 9

Toronto

Ontario

Canada



SIR ADAM BECK-NIAGARA GENERATING STATIONS

Aerial view of the entire development, showing the intake area at the left above the falls, the two canals paralleling a section of the river, and in the right foreground the pumped-storage reservoir now under construction, as it will appear on completion. The headworks and powerhouses of the two generating stations can be seen in the centre foreground.



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1953

ROBERT H. SAUNDERS, C.B.E., Q.C.
Chairman

HON. GEORGE H. CHALLIES, M.L.A.
1st Vice-Chairman

W. ROSS STRIKE, Q.C.
2nd Vice-Chairman

RICHARD L. HEARN, D.ENG.
General Manager
and Chief Engineer

ERNEST B. EASSON,
Secretary

HEAD OFFICE
620 University Avenue, Toronto, Ontario

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 21, 1954

THE HONOURABLE LOUIS O. BREITHAUP, LL.D.

Lieutenant-Governor of Ontario

SIR:

I am honoured, as Chairman of The Hydro-Electric Power Commission of Ontario, to present the Commission's Forty-sixth Annual Report for the year ended December 31, 1953.

The growing level of prosperity in the Province, large-scale expansion of industry, and increased farm output are impressively reflected in Ontario Hydro's all-out effort during the year to keep abreast of mounting power demands.

Continuing with its greatest expansion program in its history—initiated just eight days after the war—Ontario Hydro has increased its capacity by 84 per cent since the beginning of the program in 1945. During 1953, the dependable peak capacity of the Commission's resources was increased by 6.3 per cent from 4,495,100 horsepower at the end of 1952 to 4,779,300 horsepower last December. The major part of this increase results from the placing in service of new generating facilities at the Otto Holden, Richard L. Hearn, and J. Clark Keith Generating Stations.

During the year under review, 20,912,445,364 kilowatt-hours were produced for load purposes—exceeding the previous record production in 1952 by 4.7 per cent. Commission-owned or -operated generating stations, 64 hydro-electric and 6 fuel-electric, accounted for 16,262,760,941 kilowatt-hours of the above total.

Achievements

Naturally enough, everyone is proud of his own achievements. But we sincerely believe that the citizens of this Province can be truly proud of their

Ontario Hydro for its continuing efforts to improve service at a minimum of cost and bring a higher standard of living to our people.

The year 1953 was significant in many ways for it saw the fulfilment of a wonderful effort on the part of Hydro's management and employees. Highlights of our 1953 operations included: (1) major additions to transformer and distribution facilities; (2) installation of the eighth and final unit at Hydro's Otto Holden Generating Station on the Ottawa River, completed last April, to give the station a dependable peak capacity of 282,000 horsepower and complete Hydro's present development of the river where 951,000 horsepower has been harnessed since 1945; (3) completion of the third and fourth units at Hydro's J. Clark Keith Generating Station in Windsor, raising its installed capacity at 60 cycles to 354,000 horsepower; (4) the addition of the fourth unit at Hydro's Richard L. Hearn Generating Station in Toronto, which will give the station an installed capacity of 536,000 horsepower when all units are operating at 60 cycles; (5) authorization of a pumped-storage reservoir and provision for four additional units as required at the Sir Adam Beck No. 2 project, which will give the development an ultimate installed capacity of 1,828,000 horsepower; (6) the commencement of construction at Hydro's fifteenth post-war power development, the Manitou Falls Generating Station on the English River in northwestern Ontario, which will have a capacity of 56,500 horsepower; (7) authorization of the fourth unit at Pine Portage Generating Station to serve the growing power needs of the northwestern area, an addition which will raise the station's dependable peak capacity to 158,600 horsepower in four units; (8) two interconnections completed with The Detroit Edison Company, which will give some 400,000 horsepower of further protection to the Hydro system; (9) signing of one of the most progressive agreements in Canadian labour history; (10) development of a remedial scheme to preserve and enhance the beauty of Niagara Falls and provide for more effective use of the river-flow for power production; (11) important developments with respect to the St. Lawrence River power project; (12) continuation of program to extend benefits of electricity to rural Ontario; (13) completion of changeover for one-third of the total customers in our frequency standardization program; (14) commencement of "feasibility studies" in co-operation with Atomic Energy of Canada Limited at an estimated two-year cost of \$200,000.

The Commission's Finances

Ontario Hydro's finances were, from the start, placed on a very conservative basis. Reserves were set up for depreciation and yet another reserve for sinking fund. In addition, there are reserves for contingencies and rate stabilization. The effect of the sinking fund reserves is such that if no further increase in the demand for power were foreseen, and the Commission ceased to have capital construction costs, Ontario Hydro's total debt would be paid off in forty years.

It is obvious, however, that the increase in demand for power will not cease and has in fact, during the last ten years, necessitated the tremendous expansion of our resources. Capital expenditure during 1953, for example, amounted to \$183,634,698, of which approximately 64 per cent was spent on generating facilities. It must be obvious that in such times of rapid expansion the Commission's debt will appear to be increasing at an alarming rate, but it should be remembered that once power from the new stations becomes available, both sinking fund and depreciation reserves grow in proportion to the growth of the systems.

We should like to assure not only Hydro's customers but all the citizens of Ontario that our finances are in a very strong position. At December 31, 1953, the assets of the Commission after deducting depreciation reserves of \$151,285,056 amounted to \$1,491,302,267. The long-term debt outstanding at the end of the year amounted to \$1,040,484,559, an increase of \$178,193,441 over 1952. Sinking fund reserves at the end of 1953 stood at \$199,064,931, of which all but \$5,318,320 held in investment securities and cash had been used for debt retirement.

The confidence placed in Ontario Hydro and the Province by Canadians is readily indicated by the speed with which our bonds are bought. During the year, Hydro bonds to the extent of \$200,000,000 were issued and sold.

Municipal

Back on October 29, 1952, I pointed out that in 1951 the margin between actual cost and the prevailing interim rate varied quite substantially. I announced at that time that in future the interim rate would more closely represent the actual cost of power. It was to be expected, therefore, that for 1953 the rebates would be lower and fewer in number.

In Ontario Hydro's Southern Ontario System—that part of the Province south of North Bay between the Ottawa River and the Michigan boundary line—our revenue for 1953, other than rural, totalled \$91,160,911. The corresponding expenditure, other than for rural operations, was \$90,206,291, resulting in a total net refund of \$954,620. Similarly, the net refund to municipalities in our Northern Ontario Properties totalled \$22,182.

I am happy to state that in 1953 we were able to continue the supply of an abundance of electric energy at low cost. An examination of the Annual Report will show that each domestic customer used an average of 4,404 kilowatt-hours last year. This compares with an average of 2,454 used in 1945, and of 2,039 used in 1939.

It is significant, too, that the average kilowatt-hour cost to the domestic customer in 1953 was 1.155 cents as compared with 1.074 cents in 1945 and 1.259 cents in 1939.

Rural

At December 31, 1953, the Commission had completed ten years of rural electrical service under the uniform rate structure established on January 1, 1944. During this decade, the total mileage of rural primary distribution lines increased from 20,087 miles to 41,589 miles, or by 107 per cent. Total number of rural customers served, after making allowance for the annexation by municipalities of certain suburban areas, increased from 136,164 at the end of 1943 to 371,855 at the end of 1953, or by 173 per cent.

By referring to this Report, it will be seen that in southern Ontario's rural operations the revenue in 1953 totalled \$26,406,723. Expenditures in this regard were \$26,328,268, leaving a net surplus of \$78,455 as compared with a net surplus in 1952 of \$25,163.

We are, of course, extremely pleased that electricity is proving to be of great benefit to the farmers and other rural folk. In fact, last year each Ontario Hydro farm customer consumed an average of 3,885 kilowatt-hours as compared with 2,199 in 1945 and 1,673 in 1939. The average kilowatt-hour cost to farm customers was 2.164 cents in 1953 as compared with 1.900 cents in 1945 and 2.56 cents in 1939.

Acknowledgments

I think it is appropriate that I place on record at this time the wonderful co-operation received in bringing the negotiations for the St. Lawrence River power project to a successful climax. I think particularly of two great men—the Right Honourable Louis St. Laurent, Prime Minister of Canada, and the Honourable Leslie M. Frost, Prime Minister of Ontario—who in this regard lent their full support and that of their governments. I acknowledge the efforts of the Right Honourable C. D. Howe, the Honourable Lionel Chevrier, and the Honourable Lester B. Pearson. I should like also to pay tribute to the late Mr. H. Hume Wrong who, as Under-Secretary of State for External Affairs and previously as Canadian Ambassador in Washington, had done so much to establish that understanding and mutual confidence which was essential to the success of the negotiations between the Governments of Canada and the United States.

As I have stated on previous occasions, the tremendous engineering, construction, administrative, and financial efforts which are behind Ontario Hydro's record of achievement during 1953 would not have been possible without the whole-hearted co-operation of governments and individuals at all levels.

Reference has already been made to leaders of the Federal and the Provincial Governments, but I wish also at this time to express the gratitude of the Commission to other members of these governing bodies and to the Municipal Governments and their officials for their wonderful co-operation. I acknowledge particularly the public-spirited service of the officers and members of the

Ontario Municipal Electric Association and the Association of Municipal Electrical Utilities whose concern is not only for their respective municipalities but for the Hydro enterprise as a whole.

Our sincere thanks are extended to the Commission's suppliers and contractors whose assistance has been given as required, and to those men of labour who have contributed to the successful achievements of the year.

The press and radio and television stations have been most helpful in assisting us to keep the public informed and we thank them for their keen interest at all times in Hydro matters.

The record presented in this Report is possibly the greatest tribute that can be paid to the valuable service given by the Commission's staff and by the staffs of contractors engaged on the Commission's projects. Under the highly-efficient guidance of Dr. Richard L. Hearn, General Manager and Chief Engineer, ably assisted by Dr. Otto Holden, Assistant General Manager—Engineering, and Mr. A. W. Manby, Assistant General Manager—Administration, the affairs of Ontario Hydro have been conducted in a manner which justifies the pride of our citizens in Canadian engineers. On behalf of the Commission, therefore, I wish to express our thanks to these capable officers of the organization. I wish also to acknowledge the valuable assistance given to me as Chairman by my colleagues, the Honourable George H. Challies, First Vice-Chairman, and Mr. W. Ross Strike, Q.C., Second Vice-Chairman, whose devoted service has contributed to the successful administration of Ontario Hydro affairs.

Respectfully submitted,

ROBERT H. SAUNDERS,
Chairman

LETTER OF SUBMITTAL BY THE GENERAL MANAGER
AND CHIEF ENGINEER

TORONTO, ONTARIO, JUNE 20, 1954

ROBERT H. SAUNDERS, ESQ., C.B.E., Q.C., *Chairman*,
and COMMISSIONERS

SIRS:

The Forty-sixth Annual Report of The Hydro-Electric Power Commission of Ontario, submitted herewith, relates to the Commission's activities during the year ended December 31, 1953. In the Southern Ontario System these activities, whether for the supply of the municipal, rural, or direct industrial customers of the system, were conducted on behalf of the municipalities that have contracted to receive power at cost; in the Northern Ontario Properties they were undertaken either on behalf of the municipalities served under cost contract or in trust for the Province of Ontario.

The unusually severe shortage of water in the Ottawa River watershed during the second half of 1953 made it necessary to greatly expand production at the large fuel-electric stations, where the major increases in generating capacity were made during the year. Further assistance provided over inter-connections with neighbouring systems enabled the Commission to supply new record demands for power and energy in 1953.

The year's operations also show continued growth in the number of customers served and revenues received. Excellent progress was maintained in planning and construction in anticipation of future power requirements and in the standardization of the Southern Ontario System at 60 cycles.

The contribution made by the staff in achieving these favourable results, and their loyal support in all the Commission's undertakings are gratefully acknowledged.

Respectfully submitted,

RICHARD L. HEARN,
General Manager
and Chief Engineer

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FORTY-SIXTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

**FOREWORD
and Guide to the Report**

THE Hydro-Electric Power Commission of Ontario is a separate entity, a self-sustaining public concern endowed with broad powers to produce, buy, and deliver electric power throughout the Province, and to perform certain regulatory functions with respect to the municipal electrical utilities which it serves. The enterprise represented by the Commission is generally known and referred to as the Ontario Hydro.

The Commission was created in 1906 by an enactment of the Ontario Legislature after consideration of recommendations made by advisory commissions. These had been appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of the Province. The Commission operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c. 281).

The Commission consists of three members appointed by the Lieutenant-Governor in Council. One commissioner must be a member, and two may be members, of the Executive Council of the Province of Ontario.

Annual Summary

This 46th Annual Report reviews the work accomplished during 1953 in the continuing power development program, and records the activities and financial results of the Commission's general operations in both the Southern Ontario System and the Northern Ontario Properties. The text and statistical tables in most sections of the Report deal with each of the systems separately.

Major activity in the development program occurred in the Southern Ontario System at Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River where good progress was made towards the completion of the first of the two hydraulic pressure tunnels and other sections of the project. It is expected that the first unit will be placed in service in April 1954. The placing in service of the fourth unit at Richard L. Hearn Generating Station in Toronto and of the third and fourth units at J. Clark Keith Generating Station in Windsor brought to completion the program of construction and expansion at these stations. At Otto Holden Generating Station on the Ottawa River, the eighth and final unit was placed in service early in April. In the Northern Ontario Properties, construction was undertaken for the addition of the third and fourth units at Pine Portage Generating Station. Plans were made for the development at Manitou Falls on the English River and the initial stages of construction work were begun.

Under the terms of The Niagara Diversion Treaty signed by Canada and the United States in 1950, the two countries undertook to share equally in the cost of the construction in the Niagara River of remedial works whose purpose was to preserve and enhance the scenic beauty of the falls. In March 1950, the Government of Ontario, by an agreement with the Government of Canada, undertook to construct the Canadian portion of the works, and this agreement was later approved by The Niagara Development Act, 1951, of the Provincial Legislature. The Provincial Government in turn delegated the actual construction to The Hydro-Electric Power Commission of Ontario and by the end of 1953, the first stages of construction had begun.

In November 1953, the President of the United States named the Power Authority of the State of New York as the entity to undertake the power project on the United States side of the International Rapids Section of the St. Lawrence River. The licence granted to the Power Authority by the Federal Power Commission was, however, challenged in the courts of the United States. In the meantime, preliminary engineering studies were continued, and Ontario Hydro was prepared to proceed with the construction of its part of the development immediately upon the removal of all obstacles to participation by the Power Authority of the State of New York.

In September 1953, the facilities of the Commission's Southern Ontario System at Windsor and near Sarnia were connected for the interchange of power with the facilities of the system of The Detroit Edison Company. These interconnections will be of mutual advantage and will add materially to the security of both systems.

Organization

The organization of the Commission covers three main functions—policy making, policy interpretation, and action. The Commissioners constitute the final authority on policy decisions. The General Manager and Chief Engineer is the principal executive officer and is responsible for the carrying out of Commission policy and decisions, principally through the means of the two main branches of the organization—Engineering and Administration—each of which is headed by an Assistant General Manager.

Systems

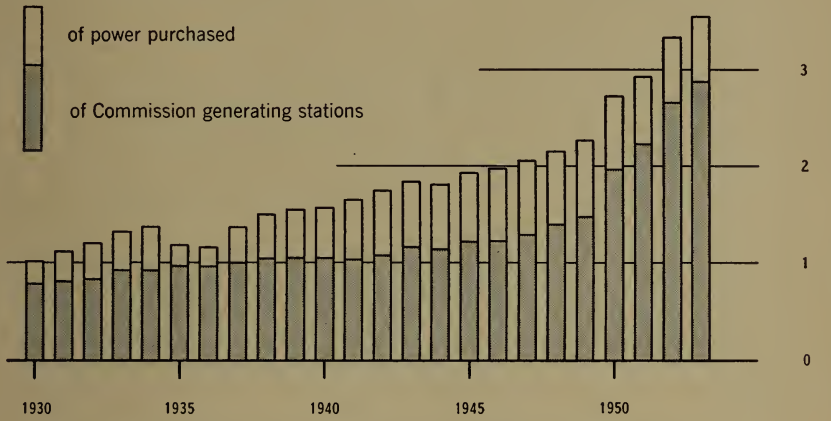
In both the Southern Ontario System and the Northern Ontario Properties, the Commission's customers include municipal electrical utilities, certain large

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION

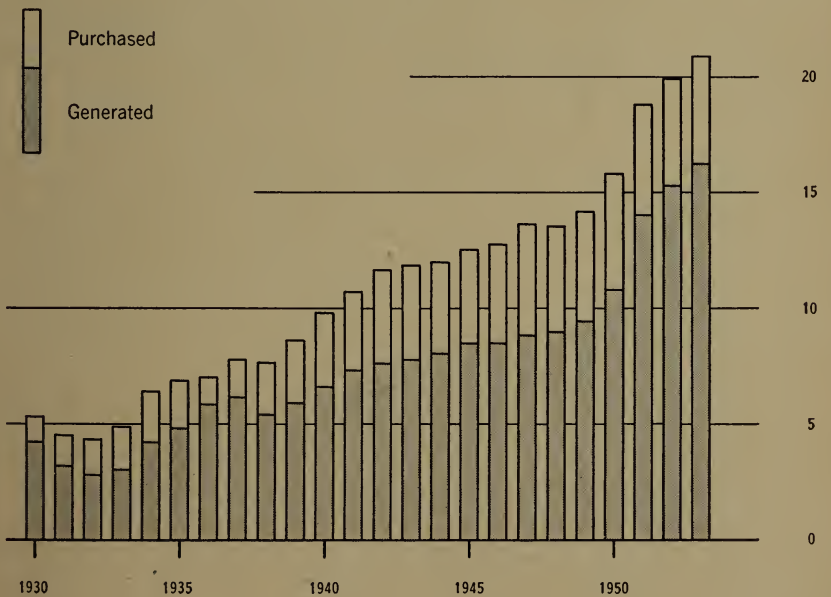
DECEMBER DEPENDABLE PEAK CAPACITY

MILLION KILOWATTS



ANNUAL ENERGY PRODUCTION

BILLION KILOWATT-HOURS



industrial customers, and retail customers served through the rural operating areas or through certain local systems owned and operated by the Commission.

The Southern Ontario System serves the older and more populous part of Ontario lying south of a line drawn approximately west from Mattawa on the upper Ottawa River to Georgian Bay. Primarily it serves a group of 314 municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act, and it is therefore referred to as a co-operative system.

The Northern Ontario Properties is a consolidation for financial and administrative purposes of all the services operated by the Commission in northern Ontario. Though not a co-operative system in the same sense as the Southern Ontario System, the Northern Ontario Properties does serve on a cost-contract basis six municipalities that formerly comprised the Thunder Bay co-operative system. Service to the other customers of the Northern Ontario Properties is provided by facilities held and operated in trust for the Province of Ontario.

The territory served by the Northern Ontario Properties extends in the northern part of the Province from the Quebec boundary to the boundary of Manitoba and is divided into a Northeastern and a Northwestern Division for operational purposes. Each of these Divisions is an integrated power system as the result of the gradual consolidation of several formerly isolated systems. There is, however, no power connection between the two Divisions. Since 1950, there has been an interconnection between the Northeastern Division and the Southern Ontario System.

Financial Features

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to municipalities, and by the municipalities to their customers at cost. Cost includes, in addition to the cost of power purchased, all charges for operation and maintenance, for interest on capital investment, and for reserves covering depreciation, contingencies and obsolescence, and stabilization of rates. It also includes a reserve for a sinking fund to retire capital debt.

The undertaking from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

The undertaking as a whole involves two distinct phases of operations as follows:—

The *first* phase of operations is the provision of the power supply—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The *second* phase of operations is the *retail* distribution of electric energy. In most cities and towns, and in many villages and certain township areas, retail distribution of electric energy is conducted by municipal commissions

under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. In a small group of municipalities, The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of energy to the customers in the rural operating areas. Since 1944, the rate structure applying to the Commission's farm, hamlet, commercial, and summer service customers has been uniform throughout the Province.

Guide to the Report

Section I, "Operation of the Systems," describes and discusses the production, purchase, and delivery of power during the year. Details are given of demands, capacities, loads carried, water resources, weather conditions, and other factors affecting operations. There are also reports on the maintenance of the systems and on forestry work.

Section II, "Financial Statements," contains the Commission's balance sheets, statements of operations, and tables showing the funded debt and advances from the Province of Ontario. These, together with supporting schedules to be found in Appendix II, give a comprehensive picture of the financial organization and condition of the Southern Ontario System and the Northern Ontario Properties.

Section III, "The Commission's Customers," is concerned with the supply of electric power and energy in wholesale quantities to the municipal and industrial customers of the Commission and to the Rural Power District. A classification of the municipal customers is given and the salient features of the loads of the three groups of wholesale customers are presented in graphic form. A subsection on rural electrical service discusses the retail distribution of power and energy in the Rural Power District, and this is followed by reports from the regions relating to municipal activities. These contain brief notes on new municipal customers and the construction of distribution facilities.

Section IV, "Frequency Standardization," reports on the progress of standardization operations in the Southern Ontario System and deals in this connection with planning, engineering, and other aspects of the changing over of Commission and customer equipment.

Section V, "Engineering and Construction," tells of the planning and construction of facilities for the generation and delivery of power, and includes data and descriptions of the more important projects.

Section VI, "Research and Testing Activities," contains reports on the progress or completion of some of the more important investigations conducted by members of the Commission's Research Division and directed towards the achievement of more efficient, more economical, and safer methods of operation.

Section VII, "Personnel Administration," gives certain statistics on the employees of the Commission and deals briefly with recent developments affecting the Commission, the staff, and their mutual relationship.

Section VIII, "Municipal Electrical Service," is the largest in the Report. In addition to a brief review of the combined retail activities of the municipal electrical utilities and of the Commission through its local systems, the Section includes four statistical tabulations. They give financial statistics, rates, and statistics on the retail services in over 300 municipalities supplied by the Commission.

Appendix I—Operations, contains summary tables of loads and capacities, a table of generating station capacities and outputs, and a table showing the loads of the Commission's municipal customers.

Appendix II—Financial, supports the financial statements contained in Section II.

Appendix III—Customers, includes tabular material supplementary to that in Section III, for the most part details of rural rates and statistics of rural service.

Appendix IV—Engineering and Construction, provides details on the changes and additions in the Commission's transmission and communications facilities.

Appendix V—Legislative, reproduces amendments to The Power Commission Act and to The Rural Telephone Systems Act, and a list of agreements approved.

SECTION I

OPERATION OF THE SYSTEMS

ANNUAL primary power and energy requirements for all systems in 1953 exceeded those of 1952 by more than six per cent. Operations during the year, apart from the problems that normally attend such increases, were complicated by a serious shortage of water. In the four months from June to September the cumulative run-off in the controlled storage area above Timiskaming Dam on the Ottawa River was the lowest on record, and for the entire second half of the year it was the lowest since 1914. The effect of this shortage, which curtailed production of hydro-electric energy for the Southern Ontario System, was still further complicated by the progress of frequency standardization and the heavy demands made upon facilities to provide 60-cycle energy. The Commission met the challenge of increased requirements and of these complicating problems most effectively, and the relationship between demands and resources proved in 1953 to be the most satisfactory since 1945.

The dependable peak capacity of the Commission's resources was increased from 3,353,350 kilowatts in December 1952 to 3,565,350 kilowatts in December 1953. The major part of this increase of 6.3 per cent results from the placing in service of new generating facilities at the Otto Holden, Richard L. Hearn, and J. Clark Keith Generating Stations in the Southern Ontario System. The addition of these facilities made it possible to generate record amounts of power and energy in spite of the water shortage and the loss in generating capacity resulting from a serious fire at Chats Falls Generating Station in March.

During the year 20,912,445,364 kilowatt-hours were produced for commercial load purposes. Commission-owned or -operated generating stations, 64 hydro-electric and 6 fuel-electric, produced 16,262,760,941 kilowatt-hours of this amount. The balance of 4,649,684,423 kilowatt-hours was purchased under regular, temporary, and short-term agreements. The net output of all resources exceeded the previous record of 19,974,428,002 kilowatt-hours produced in 1952 by 4.7 per cent.

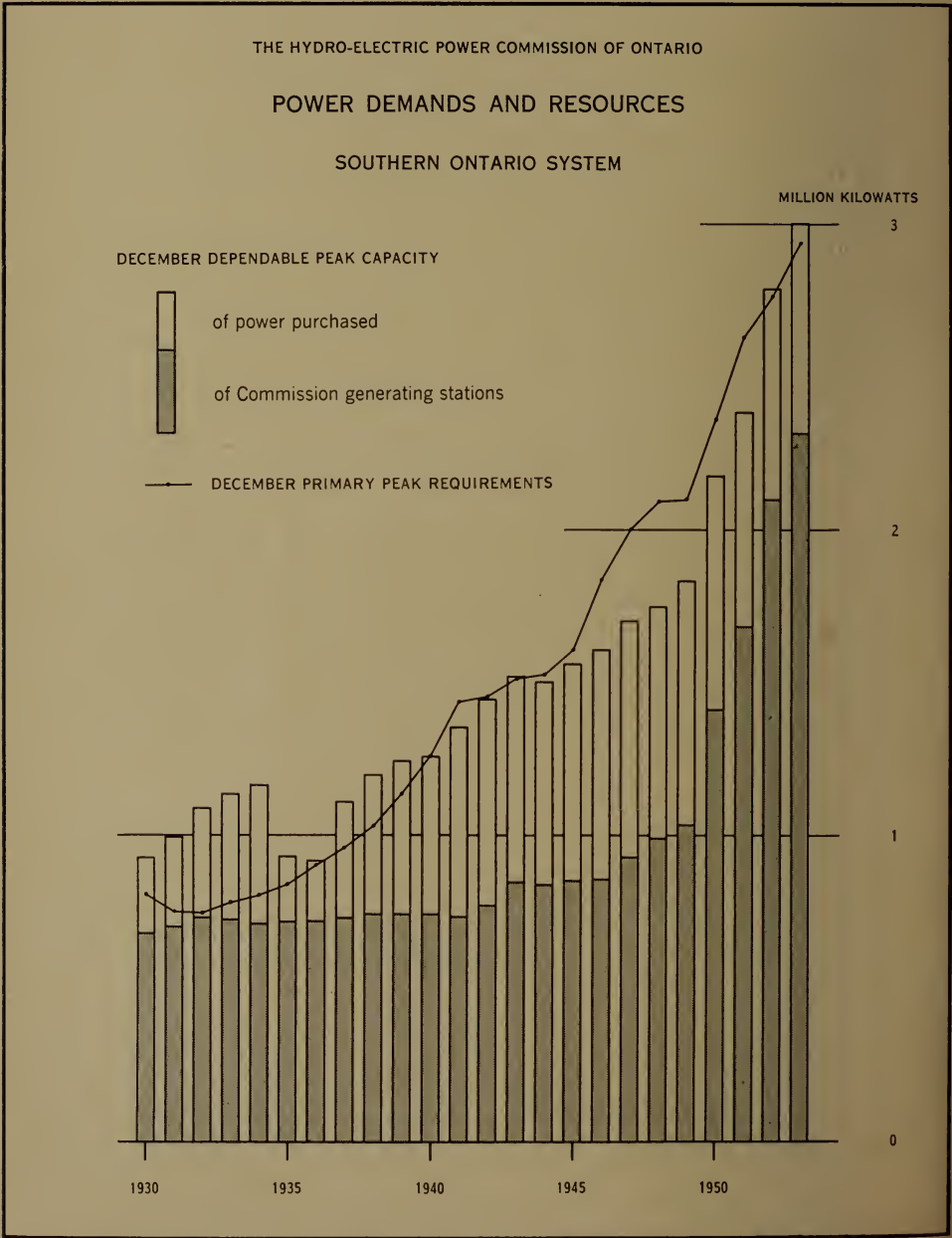
The Commission's fuel-electric resources in both systems had a net output of 1,758,967,050 kilowatt-hours in 1953, more than four times the total of 413,783,440 kilowatt-hours in 1952. With the development of the water shortage in July, the two major fuel-electric stations in Toronto and Windsor began operating primarily as sources of base load supply in order to compensate for the reductions in the energy output of hydro-electric resources. In addition,

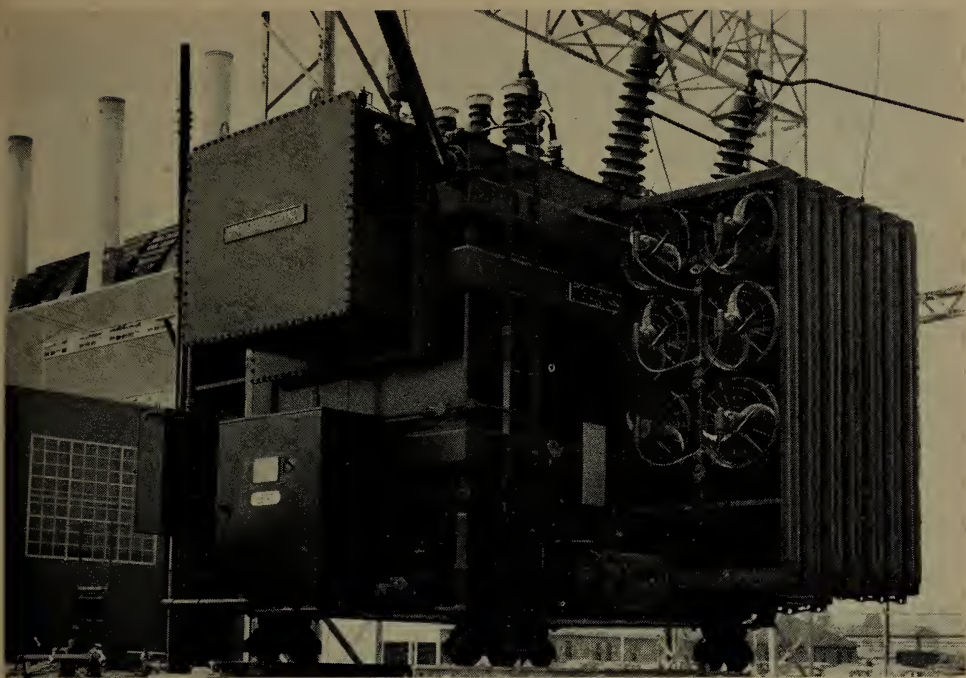
a total of 174,477,000 kilowatt-hours was obtained through interconnecting facilities completed in September between the Commission's system and the system of The Detroit Edison Company.

SOUTHERN ONTARIO SYSTEM

Operation

Following the development of the water shortage in July there were reductions in the output of all the Commission's resources in the Ottawa River watershed, both Commission-owned stations and those of the Commission's





TRANSFORMER INSTALLATION AT J. CLARK KEITH GENERATING STATION,
WINDSOR

150,000-kva regulating transformer for the 115-kv interconnection with The Detroit Edison Company

Quebec suppliers. This aggravated the already complex problems of supply following upon changes in the 25- and 60-cycle loads brought about by frequency standardization. In July 1953 the 60-cycle primary peak demand exceeded the 25-cycle peak demand for the first time and a month later the 60-cycle energy demand was greater than the 25-cycle energy demand.

In December 1949, when virtually the whole Niagara Division was operating at the 25-cycle frequency, the 60-cycle demand on the system was only 18 per cent of the total system primary demand; in the succeeding three years it had grown to 24, 33, and 45 per cent. At the time of the primary peak demand in December 1953, 55 per cent of the system primary peak requirements were for 60-cycle power.

Reference has already been made to the contributions of the fuel-electric stations in Toronto and Windsor and of The Detroit Edison Company in meeting these increases in 60-cycle load and offsetting the effect of poor water conditions. The fact that additional energy was available from the fuel-electric resources of this neighbouring system at this critical juncture was a fortunate consequence of the progress of frequency standardization. The transmission of 60-cycle energy from The Detroit Edison Company was made possible through facilities developed in conjunction with the frequency standardization program.

The new 230-kv and 115-kv facilities required and the rearrangement of circuits undertaken for the supply of 60-cycle power are dealt with later in this section and in Sections IV and V of this Report.

In the Southern Ontario System the dependable peak capacity was increased by 7.7 per cent from 2,790,250 kilowatts in December 1952 to

3,004,250 kilowatts in December 1953. The eighth unit at Otto Holden Generating Station was placed in service in April 1953, and on the basis of performance tests conducted during the year, the dependable capacity of this station was increased to 210,000 kilowatts. In April also, a third unit was placed in service at J. Clark Keith Generating Station, and a fourth unit was added in October. At Richard L. Hearn Generating Station the fourth turbo-generator began producing power for commercial load in June.

On September 3, and thereafter except for brief periods, the systems of The Detroit Edison Company and The Hydro-Electric Power Commission of Ontario were operated in parallel following the establishment of the first of two interconnecting circuits. The interconnections increase the security of both systems through mutual assistance at times of emergency. They will also enable each system to take advantage of economies that may be effected through the exchange of any surplus energy that may from time to time become available.

Each of the interconnecting circuits, operated at 115 kilovolts, has associated with it a 150,000-kva voltage regulator.

In January the line connecting J. Clark Keith Generating Station with E. V. Buchanan Transformer Station near London was changed over from 115-kv operation to become part of the 230-kv network. This change made it possible to increase substantially the delivery of power to the system from both J. Clark Keith Generating Station and The Detroit Edison Company. About 50 miles from E. V. Buchanan Transformer Station is Detweiler Transformer Station near the city of Kitchener. This station was placed in service as part of the 230-kv network in July. From this station, power was provided over short 115-kv radial lines to transformer stations in the surrounding area. In the East Central and Eastern Regions more stable operating conditions and improved voltage were brought about by the placing in service of two new 115-kv lines, one connecting Ross L. Dobbin Transformer Station and Sidney Transformer Station, and the other connecting Stewartville Generating Station and Merivale Switching Station.

Water storage conditions throughout the system were generally below normal during the year. The spring freshet occurred earlier than usual and was shorter in duration. Satisfactory levels were established in most reservoirs, but subnormal precipitation and low run-off throughout the summer months rapidly depleted storages. These were well below normal by the end of the year.

Continuity of service was, in general, well maintained throughout the year. When severe or widespread disturbances did occur, during a heavy sleet storm in January and on four other occasions during the late winter and early spring months, the system was returned to normal operation in a relatively short time.

On March 2 a fire occurred at the Chats Falls Generating Station, resulting in the loss of the entire station output of 164,000 kilowatts and the loss to the 60-cycle system in particular of 45,000 kilovolt-amperes in frequency-changer capacity. System security was also seriously affected since all 230-kv transmission lines terminating at the station and subject to its control facilities were removed from service.



RADIO LINK BETWEEN TORONTO AND NIAGARA FALLS

Ultra high-frequency directional antennae on the roof of the Head Office building (left) and at Niagara Falls (right). Placed in service in February 1953, this two-way radio link spans 28 miles of Lake Ontario, an unusually long water crossing for this type of equipment. Channels both for voice communication and for telemetering and load control are provided.

Despite the severity of the damage, system security was re-established in transmission facilities the day after the fire; four generating units were back in service by March 7, two more by March 9, and a seventh by March 21. The frequency-changer was returned to service on October 6. It was decided that the most seriously damaged unit should be rebuilt to operate at 60 cycles and this work was proceeding at the end of the year with the expectation that the unit would be in service early in 1954. Rehabilitation of the station building was in large measure complete by the end of the year.

A tornado that swept across the southwestern part of the Province on May 21 did extensive damage to towers on the 115-kv line between London and Stratford. It also became necessary to remove from service the 230-kv circuits between E. V. Buchanan Transformer Station and Essa Transformer Station while debris was cleared from the lines. Service was, however, quickly restored by the Commission's operating and maintenance staff.

Load Trends

Production of power for primary and secondary use within the system reached 2,909,190 kilowatts, an increase of 4.0 per cent over the 1952 figure of 2,798,476 kilowatts. The corresponding energy production amounted to 17,082,362,909 kilowatt-hours in 1953, 5.1 per cent greater than the 16,248,710,072 kilowatt-hours produced a year ago.

Primary power requirements during the first six months of 1953 maintained a fairly constant 7 per cent rate of growth over 1952 requirements. During

the summer months this rate, reflecting a slackening in municipal load growth and a decline in industrial demands, fell to about 3 per cent. By the end of 1953 it had returned almost to the earlier level and December primary peak requirements of 2,939,980 kilowatts were 6.3 per cent greater than the corresponding 1952 requirements of 2,765,986 kilowatts. Primary energy requirements also set new records in 1953. Energy requirements for a single day rose to 54,405,910 kilowatt-hours and for the entire year to 16,445,249,809 kilowatt-hours, an increase of 6.4 per cent over the 15,462,130,372 kilowatt-hours required in 1952. Of the annual primary energy requirements, the estimated load cut amounted to only 2,248,100 kilowatt-hours despite the substantial reduction in deliveries of purchased power from Quebec and decreased output from the Commission's stations on the Ottawa River. The Ontario primary load carried was 16,083,830,209 kilowatt-hours, an increase of 6.7 per cent over the 1952 total of 15,070,807,272 kilowatt-hours.

At off-peak times and during periods of high stream-flows, 639,361,200 kilowatt-hours were produced for disposal in the secondary market.

NORTHERN ONTARIO PROPERTIES

NORTHEASTERN DIVISION

Operation

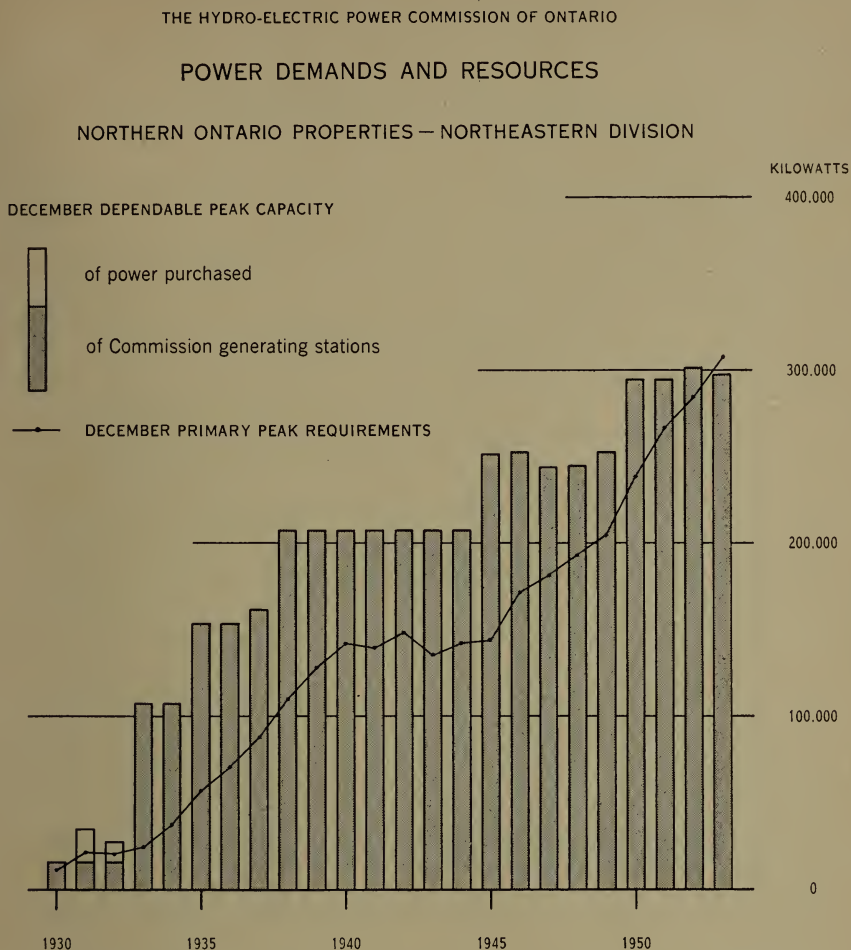
No new generating equipment was placed in service in the Division during 1953 but minor revisions in the calculated capacities of stations reduced the dependable peak capacity of resources from 301,900 kilowatts to 298,200 kilowatts. The distribution systems of the companies supplying Iron Bridge and Mattawa were purchased and incorporated into the system.

Stream-flows and storage conditions in 1953 were favourable only during the first six months. It was the water shortage during the remainder of the year that made necessary the transfer of most of the 116,188,000 kilowatt-hours received from the Southern Ontario System to meet primary requirements. This more than offset the transfer of 89,648,000 kilowatt-hours in the reverse direction during the earlier part of the year and resulted in a net transfer of 26,540,000 kilowatt-hours to the Northern Ontario Properties.

Load Trends

The maximum amount of power produced for primary and secondary use by the Division was 309,100 kilowatts, an increase of 6.3 per cent over the 1952 figure of 290,723 kilowatts. The corresponding energy production during the year increased to 2,017,186,605 kilowatt-hours, or 3.4 per cent more than the 1,950,491,350 kilowatt-hours in 1952.

Primary power requirements exceeded the 1952 requirements of 287,123 kilowatts by 7.5 per cent, reaching 308,590 kilowatts in November; primary energy requirements exceeded the 1952 requirements of 1,830,487,160 kilowatt-hours by 5.8 per cent and reached 1,936,647,345 kilowatt-hours. The decreases in loads which took place during the summer months following the development of strikes in the Timmins area are not evident in these totals. These decreases were largely offset by increased demands from certain industrial customers whose own generating resources were restricted by the prevailing water shortage.



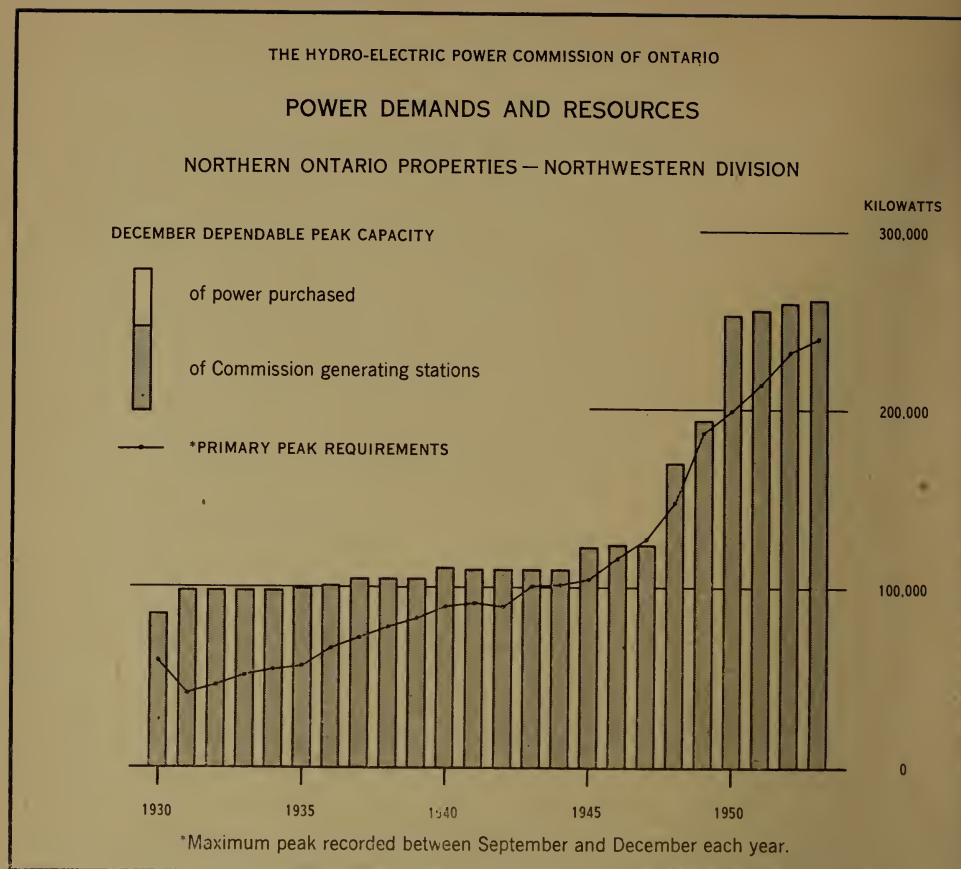
At times when production exceeded primary requirements, 80,539,260 kilowatt-hours of secondary energy were produced for use in the paper industry. During these periods it was also possible to transfer energy for advantageous disposal in the Southern Ontario System as previously noted.

NORTHWESTERN DIVISION

Operation

Although no new generating equipment was placed in service in the Northwestern Division, the peak capacity of the Division was increased from 261,200 kilowatts in December 1952 to 262,900 kilowatts in 1953 following revisions in the calculated capacities of five Commission-owned stations and an increase in the amount of purchased power.

Owing to the lack of spring rains, the freshet added virtually nothing to water reserves, which early in the year had been good. Heavy rains occurred during June and, by contrast with the Southern Ontario System and the Northeastern Division, good run-off continued through the summer and autumn months. Storage conditions at the end of the year were excellent.



Load Trends

The Northwestern Division produced a maximum of 262,356 kilowatts in 1953 for primary and secondary load purposes. This was an increase of 2.7 per cent over the 255,522 kilowatts produced in 1952. Energy production during the year increased 2.1 per cent from 1,775,226,580 kilowatt-hours in 1952 to 1,812,895,850 kilowatt-hours.

Primary power requirements in the Division in 1953 were 239,956 kilowatts, a 3.6 per cent increase over the 1952 requirements of 231,722 kilowatts. Primary energy requirements exceeded the 1952 figures of 1,491,041,854 kilowatt-hours by 5.4 per cent to reach a total of 1,571,667,810 kilowatt-hours.

A total of 241,228,040 kilowatt-hours of secondary energy was produced, principally for use by paper companies in the generation of steam.

MAINTENANCE OF THE SYSTEMS

The routine maintenance and inspection of hydraulic and electrical equipment proceeded on satisfactory schedules during the year. Some of the major maintenance operations which were beyond the routine in scope are noted in the following paragraphs.

Stations

Twelve turbines were completely overhauled, including two at Sir Adam Beck-Niagara Generating Station No. 1, two at "Ontario Power" Generating Station, one at "Toronto Power" Generating Station, and one at each of Cameron Falls and Alexander Generating Stations. Turbine runners at Chats Falls and Des Joachims were welded without the necessity of dismantling the equipment.

Four rotating machines with a combined capacity of 56,720 kva were rewound and nine other units were completely overhauled. The windings of these units were thoroughly cleaned with soft-grit abrasive as required and the insulation was subjected to the most up-to-date tests. A total of 128 transformers, each with a capacity of 100 kva or more, were completely overhauled and reconditioned prior to being relocated for further service.

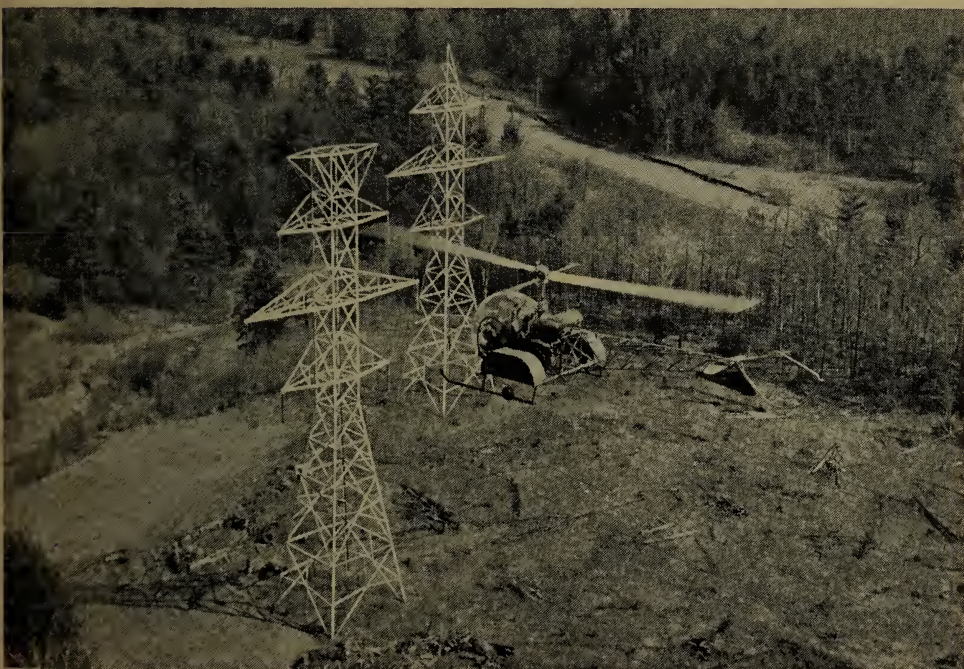
Major items of electrical equipment affected by serious failure during the year included three generators and two power transformers.

Lines

The year saw the completion of the program for the rehabilitation and reinsulating of the 33-kv lines of the East Central and Eastern Regions for 44-kv operation. This program was begun in 1950. The change of distribution voltage in the Sudbury area from 22 kv to 44 kv was also completed.

The amount of work on line maintenance being done by live-line tools continues to increase, and this has in turn reduced the number of service interruptions.

In the routine maintenance and inspection of lines, the Commission's helicopters played an important part, having flown over 2,100 hours and



HELICOPTER PATROLLING 230-KV TRANSMISSION LINE

The use of helicopters has greatly facilitated the inspection of transmission lines, particularly in areas not easily accessible to ground crews. They have also provided valuable transportation service in emergencies.

logged over 86,000 miles in the patrol of high-voltage transmission lines. Line maintenance operations included the replacement of 3,340 transmission and 11,572 distribution poles and, in the Niagara, West Central, and Toronto Regions, the repainting of 507 transmission towers. The insulators on 327 route miles of high-voltage line were tested, and replaced as required.

FORESTRY

The introduction of new mechanical equipment such as the mobile "sky-worker" and pneumatic pruning tools resulted in improved efficiency and economy in pruning trees for the protection of the Commission's power and communication lines. The use of such equipment and of other mechanical and chemical devices has brought about marked increases in the amount of work accomplished.

Approximately 13,600 acres of underbrush along rights of way were sprayed with chemical herbicide, an area more than 5,000 acres larger than that so treated in 1952. In the reforestation program the number of seedlings planted was over 185,000, or almost half the total number planted in the course of the previous five years. This year's planting included 64,000 in the Niagara Region, over 3,000 in each of the Georgian Bay and East Central Regions, 49,500 in the Eastern Region, and 65,000 in the Northeastern Region.



WASHING INSULATORS ON 27.6-KV POWER LINE

Under certain weather conditions, electrical leakage across dirty insulators may generate sufficient heat to set a wood pole on fire. High-pressure spraying equipment is now being used to wash insulators in industrial areas. Insulators on lines operating at voltages up to 44 kv have been successfully cleaned.

Experiments suggest that the method may be used safely on lines of higher voltage.

SECTION II

FINANCIAL STATEMENTS.

Relating to

Properties Operated by The Hydro-Electric Power Commission of
Ontario on Behalf of the Co-operating Municipalities and
Rural Power District of the
Southern Ontario System

and to

Northern Ontario Properties Held and Operated
by the Commission in Trust for the Province of Ontario
and on Behalf of Municipalities Supplied with Power at Cost

THE financial statements of The Hydro-Electric Power Commission of Ontario, both in this section and in Appendix II, are presented with reference to each of the Southern Ontario System and the Northern Ontario Properties as set out in the following table.

Description	Southern Ontario System	Northern Ontario Properties
	Page	Page
Balance Sheet.....	22	24
Statement of Operations.....	26	27
Schedules supporting the Balance Sheet:		
Funded Debt.....	28	28
Advances from the Province of Ontario.....	30	30
Fixed Assets by Properties.....	286	321
Frequency Standardization Account.....	289	
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Reserves		
—for Depreciation.....	296	326
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—for Contingencies and Obsolescence.....	297	327
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—for Rural Power District—Rates Suspense.....	298	
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Statement of Cost of Power.....	300	328
Statement of Sinking Fund Payments by Municipalities.....	317	330

The first group of statements relates to activities in the Southern Ontario System on behalf of municipalities served under cost contract and to activities in that part of the Rural Power District associated with the system. The statements of the Northern Ontario Properties relate to the administration of properties serving municipalities under cost contract, and to the administration of other properties held and operated in trust for the Province of Ontario. The properties administered for the account of the Province serve municipalities other than those under cost contract, industrial customers, and that part of the Rural Power District associated with Northern Ontario Properties.

Financial Accounts of the Commission

The Foreword to this Report briefly sets forth the principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and reference is made to the wholesale and retail aspects of the operation.

Only the balance sheets and operating statements of the two systems, and the two statements showing the Commission's funded debt and the advances from the Province of Ontario are included in this section. Supporting data regarding fixed assets and reserves are given in the appendix, first for the Southern Ontario System and then for the Northern Ontario Properties.

Financial Accounts of the Cost-Contract Municipal Electrical Utilities

In the application of the basic principle of supplying electrical service at cost the Commission bills the municipal utilities each month at interim rates. Increases in these interim rates for the supply of power to a number of cost-contract utilities of the Southern Ontario System were made effective on January 1, 1953. In the Northern Ontario Properties it was not necessary to raise interim rates generally to the municipal utilities under cost contract since rates provided sufficient margin to cover the moderate increases in cost.

At the end of the year, when the Commission's books are closed, the actual cost payable by each municipal utility for power taken is established and the necessary credit or debit adjustments are made. A statement of the cost of power for the Southern Ontario System is given on pages 300 to 315. This statement shows for each cost-contract municipal utility the components of the cost of power, and, in addition to the interim rate per kilowatt and the actual cost on a kilowatt basis, records the year-end adjustments made. A similar statement for the Northern Ontario Properties appears on pages 328 and 329. The adjustments made in 1953 resulted in a total net refund in the Southern Ontario System of \$954,620 and in the Northern Ontario Properties of \$22,182 as compared with refunds of \$1,800,944 and \$77,610 respectively in 1952.

One element in the cost of power to these municipal utilities is the annual provision for a sinking fund on a forty-year basis for the purpose of retiring the Commission's capital debt. The amount so provided, accrued with interest and standing to the credit of each municipal utility, is shown in a table for the Southern Ontario System on pages 317 to 320, and for the Northern Ontario Properties on page 330.

Auditing of Accounts

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are

kept in accordance with a uniform system of accounting as prescribed by The Hydro-Electric Power Commission of Ontario. Pursuant to the requirements of The Public Utilities Act they are audited by the auditors of the municipal corporation.

FINANCIAL OPERATIONS—1953

Southern Ontario System

Sales of power and energy were greater in 1953 than in 1952. A combination of the increase in sales and the effect of the upward revision in rates brought about an increase in total gross revenue of 21.6 per cent, from \$96,679,998 to \$117,567,634. Costs were correspondingly higher, largely as the result of the greater use of fuel-electric generation and of higher labour costs. The total cost of providing service in 1953 was \$116,534,559 after withdrawing \$809,190 from the reserve for stabilization of rates, as compared with a cost of \$94,853,891 in 1952 after the withdrawal of \$2,061,885 from the same reserve.

In 1953 the assessment for frequency standardization was increased in determining the wholesale cost of power in the Niagara Division. The total amount charged to customers in the Division was \$10,773,992, which included \$8,476,372 as the cost of work written off and \$2,297,620 in interest.

Representations have been made to the Commission that there should be an equalization of the cost of power throughout the system. This matter in all its phases is under study. In the meantime, the Commission decided in 1953 to equalize the cost of bulk transmission, but to apply the necessary adjustments in three annual steps so that in 1955 all customers will pay the same rate per kilowatt for this element in the cost of power. The adjustments planned affected the cost of power in the Georgian Bay and Eastern Ontario Divisions to a greater extent than in the Niagara Division; it was, therefore, considered advisable to modify their effect by withdrawals from the reserve for the stabilization of rates held specifically for the benefit of municipalities in these two divisions and these withdrawals were credited in the cost of power.

In spite of these increases the cost of power and energy on a kilowatt basis in no municipality exceeded \$52.20. In thirteen municipalities where the cost would have exceeded this figure, it was reduced to \$52.20 by allocations totalling \$7,518 withdrawn from a reserve set up for the purpose.

The cost of rural operations rose from \$21,030,576 to \$26,328,268, including \$133,505 spent on frequency standardization of rural facilities. Since rural revenues also rose from \$21,055,739 to \$26,406,723, there was a net surplus in rural operations in the system of \$78,455 as compared with \$25,163 in 1952.

Northern Ontario Properties

The total cost of providing service in Northern Ontario Properties rose from \$17,649,116 in 1952 to \$19,537,825 in 1953 after withdrawals from reserves amounting to \$607,176 and \$414,989 respectively. The rise in revenue for 1953 was somewhat larger than the rise in cost owing partly to an increase in the number of primary kilowatt-hours sold, and partly to the application of higher rates. Gross revenues amounted to \$19,380,466 in 1953 as compared with \$17,267,245 in 1952.

In the account for the Province a deficit on rural operations of \$410,857 was in part offset by a surplus of \$231,316 resulting from sales of power to other customers. This surplus was realized after costs of supplying certain customers in the former Thunder Bay System had been reduced by the withdrawal of \$414,989 from the reserve for contingencies and obsolescence transferred to the account of the Province on January 1, 1952, when the Province assumed responsibility for these contracts from the Thunder Bay System. The amount withdrawn was \$134,852 less than in 1952, a reduction made possible by increased revenues resulting from revisions in certain industrial contracts which, as they matured, were brought more closely into line with actual costs.

SUMMARY OF FINANCIAL POSITION—ALL SYSTEMS

Capital Investment

Capital expenditure during 1953 amounted to \$183,634,698, of which approximately 64 per cent was spent on generating facilities. Construction at Sir Adam Beck-Niagara Generating Station No. 2 and at the large fuel-electric generating stations accounts for a large part of this expenditure. The gross investment in fixed assets amounted to \$1,354,642,243 at the end of 1953, against which there was an accumulated reserve for depreciation of \$151,285,056.

Rural assets under administration amounting to \$167,009,485 are included in this gross investment. Of the total investment in rural facilities, \$83,222,684 represent the amount provided since 1921 by the Province of Ontario for the purpose of aiding rural construction. The amounts so provided in each system were formerly shown on the Commission's balance sheets as a deduction from rural assets, but for 1953 they have been shown as a component of system capital. The amount provided by the Province in the form of rural assistance during 1953 was \$11,381,545.

Frequency Standardization

At December 31, 1953 a total of \$93,772,998 spent on frequency standardization had been charged to reserves and the wholesale cost of power. This total includes the \$8,476,372 written off this year. A further expenditure of \$30,589,167 on frequency standardization work during the year was carried in the frequency standardization account, which showed, at December 31, a balance of \$45,296,752 to be written off in future years. Inventories of equipment and supplies to be used in future standardization work showed a net increase of \$312,226 and stood at \$25,277,164 at the end of the year. The standardization of rural distribution facilities had required the further expenditure of \$650,537 since the beginning of the program, and all of this amount had been recovered from rural revenues.

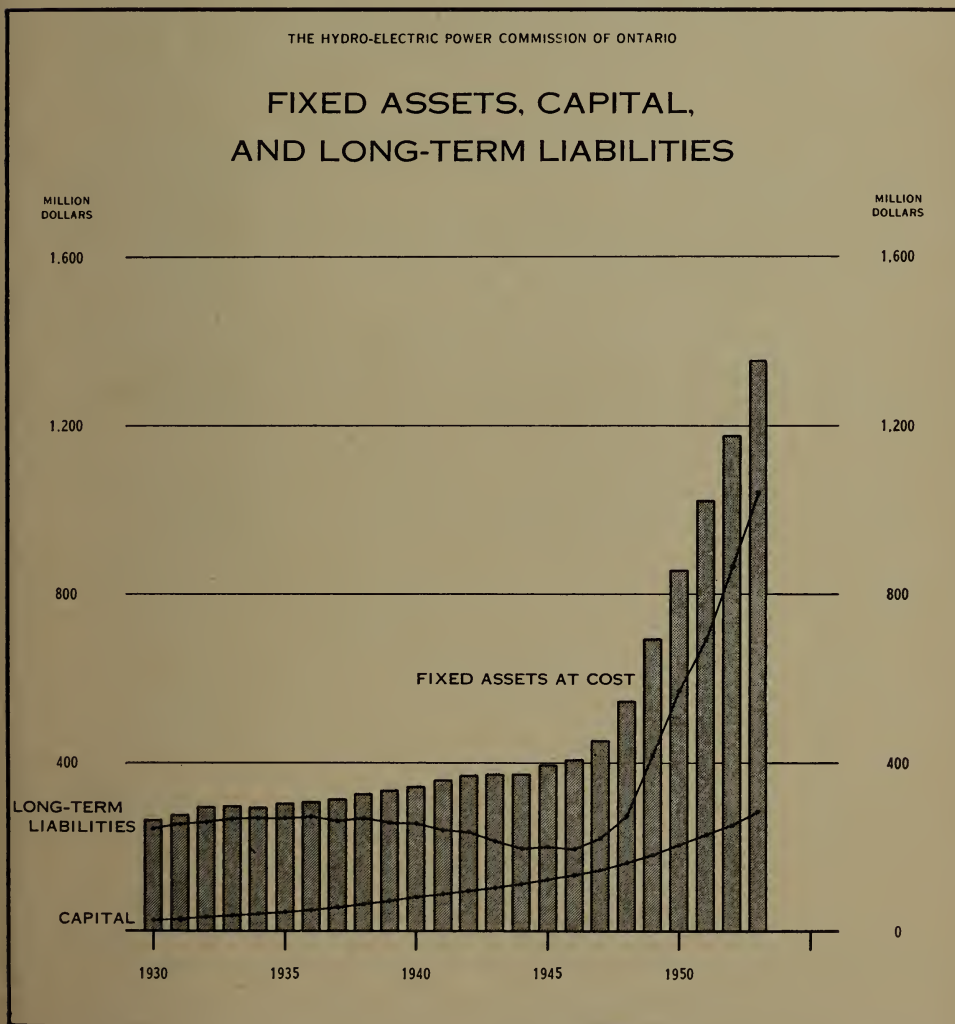
Total Assets

At December 31, 1953, the assets of the Commission after deducting depreciation reserves amounted to \$1,491,302,267.

Debt Position

The payment of both principal and interest on all bonds issued by the Commission and held by the public is guaranteed by the Province. Bonds totalling \$200 million were issued during the year. The long-term debt outstanding at the end of the year amounted to \$1,040,484,559, an increase of \$178,193,441 over 1952.

Sinking fund reserves at the end of the year stood at \$199,064,931, of which all but \$5,318,320 held for the most part in investment securities had been used for debt retirement.



THE HYDRO-ELECTRIC POWER

SOUTHERN

BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$ 977,662,783	
Administrative and service buildings and equipment.....	21,030,177	
Rural Power District.....	142,284,928	
	<hr/>	
	\$1,140,977,888	
Less accumulated depreciation.....	126,745,463	
	<hr/>	\$1,014,232,425

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work.....	\$ 25,277,164	
Cost of completed standardization after charging \$93,772,998 to Reserves and Cost of Power—balance to be written off in future years.....	45,296,752	
	<hr/>	70,573,916

CURRENT ASSETS:

Cash in banks.....	\$ 16,611,657	
Working funds.....	189,171	
Power accounts receivable.....	14,424,837	
Other accounts receivable.....	6,858,200	
Rural Power District grants receivable.....	2,918,925	
Interest accrued on reserve fund investments.....	865,356	
Customers' securities on deposit.....	294,450	
Prepayments and sundry deposits.....	192,172	
Northern Ontario Properties—current account.....	567,957	
	<hr/>	42,922,725

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 27,297,333	
Tools and equipment at cost less depreciation.....	7,555,156	
	<hr/>	34,852,489

DEFERRED CHARGES AND OTHER ASSETS:

Debtore discount and expense less amounts written off....	\$ 14,875,947	
Agreements, mortgages, and sundry investments.....	760,302	
Work in progress—deferred work orders.....	5,993,922	
	<hr/>	21,630,171

RESERVE FUND INVESTMENTS:

Investments in government and government-guaranteed bonds at amortized cost (approximate market value \$96,464,282)		
Held for: Pension fund.....	\$ 43,917,963	
Employer's liability insurance fund.....	4,250,086	
Contingencies and obsolescence, and stabilization of rates reserves.....	51,320,676	
	<hr/>	99,488,730
		<hr/>
		\$1,283,700,456

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario, as at December 31, 1953, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Southern Ontario System of the Commission as at December 31.

COMMISSION OF ONTARIO

ONTARIO SYSTEM

AS AT DECEMBER 31, 1953

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)
including \$26,558,949 maturing in 1954:

Funded debt.....	\$986,719,000
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	128,965,000

\$857,754,000

Advances from the Province of Ontario....	\$53,765,559
Less advances for Northern Ontario Properties.....	9,327,832

44,437,727

\$902,191,727

CURRENT LIABILITIES:

Accounts and payrolls payable.....	\$ 20,756,343
Customers' deposits.....	982,746
Interest accrued on long-term liabilities.....	8,313,481
Miscellaneous accruals.....	1,580,994

31,633,564

SPECIAL RESERVES:

Pension fund.....	\$ 44,028,197
Savings and insurance fund.....	144,004
Employer's liability insurance fund.....	4,182,095
Exchange premium received on funded debt (net).....	2,884,917

51,239,213

GENERAL RESERVES:

Contingencies and obsolescence.....	\$ 40,560,645
Stabilization of rates.....	24,090,118
Rural Power District—rates suspense.....	2,801,582
Miscellaneous.....	1,229,993

68,682,338

CAPITAL:

Sinking fund reserve:

Represented by funded debt and provincial advances retired through sinking funds.....	\$159,063,879
--	---------------

Contributed capital:

Province of Ontario, assistance for rural construction..	70,889,735
--	------------

229,953,614

\$1,283,700,456

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$40,000,000.

1953 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 4, 1954.

CLARKSON, GORDON & CO.

Chartered Accountants.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS AND DEFICIT

FIXED ASSETS AT COST:

Power system.....	\$187,763,302
Administrative and service buildings and equipment.....	1,176,496
Rural Power District.....	24,724,557

\$213,664,355

Less accumulated depreciation.....24,539,593

\$189,124,762

CURRENT ASSETS:

Working funds.....	\$ 27,635
Power accounts receivable.....	2,329,151
Other accounts receivable.....	350,408
Interest accrued on reserve fund investments.....	31,968
Customers' securities on deposit.....	1,329,837
Prepayments.....	6,797

4,075,796

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,316,832
Tools and equipment at cost less depreciation.....	440,749

1,757,581

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 1,663,559
Account receivable in annual instalments 1954-1989.....	2,002,280
Work in progress—deferred work orders.....	937,079

4,602,918

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$5,312,872) held for sinking fund reserve.....

5,314,569

DEFICIT—Account of the Province of Ontario.....

3,294,142

\$208,169,768

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1953, and the statements of operations and deficit for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and deficit are properly drawn up

ONTARIO PROPERTIES

trust for the Province of Ontario and Municipalities Supplied with Power at Cost
AS AT DECEMBER 31, 1953

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)
including \$290,427 maturing in 1954:

Funded debt.....	\$128,965,000	
Advances from the Province of Ontario.....	9,327,832	
		\$138,292,832
Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro- Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.		

CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current account.....	\$ 567,957	
Customers' deposits.....	2,728,974	
Interest accrued on long-term liabilities.....	1,166,748	
Miscellaneous accruals.....	599,220	
		5,062,899

SPECIAL RESERVE:

Exchange premium received on funded debt (net).....	83,107
---	--------

GENERAL RESERVES:

Contingencies and obsolescence, for the benefit of:		
Province of Ontario.....	\$ 520,186	
Municipalities supplied with power at cost.....	1,398,435	
Northern Ontario Properties.....	9,135,805	
		\$ 11,054,426
Stabilization of rates, for the benefit of:		
Province of Ontario.....	\$ 778,828	
Municipalities supplied with power at cost.....	563,675	
		1,342,503
		12,396,929

CAPITAL:

Sinking fund reserve:		
Province of Ontario.....	\$30,923,984	
Municipalities supplied with power at cost.....	9,077,068	
		\$ 40,001,052
Represented by—		
Funded debt and provincial advances retired through sinking funds.....	\$34,682,732	
Sinking fund investments and cash.....	5,318,320	
		\$40,001,052
Contributed capital: Province of Ontario, assistance for rural construction.....		
	\$ 12,332,949	
		52,334,001
		<u>\$208,169,768</u>

so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties as at December 31, 1953 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,
June 4, 1954.

CLARKSON, GORDON & CO.
Chartered Accountants.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1953

	Power system	Rural Power District	Total
COST OF POWER:	\$	\$	\$
Cost of power purchased.....	13,508,996	.....	13,508,996
Interchange of power with Northern Ontario Properties.....	154,734	.....	154,734
Operation, maintenance and administrative expenses	32,443,336	7,157,234	39,600,570
Interest (including interest on funded debt and reserves, less interest earned on investments)....	28,040,598	2,567,044	30,607,642
Frequency standardization:			
Interest.....	2,297,620	.....	2,297,620
Portion of cost written off.....	8,476,372	.....	8,476,372
Provision for depreciation.....	7,966,970	1,320,350	9,287,320
Provision for contingencies.....	2,537,828	2,820,350	5,358,177
Provision for sinking fund.....	7,660,571	701,214	8,361,786
	102,777,557	14,566,192	117,343,749
Withdrawal from stabilization of rates reserve.....	809,190	.....	809,190
	101,968,367	14,566,192	116,534,559
Cost of power supplied to Rural Power District....	11,762,076	11,762,076	.....
Total (after withdrawal of \$809,190 from stabilization of rates reserve).....	90,206,291	26,328,268	116,534,559
AMOUNTS BILLED TO MUNICIPALITIES AND OTHER CUSTOMERS:			
Municipalities at interim rates.....	67,690,079	.....	67,690,079
Rural Power District.....	.....	26,406,723	26,406,723
Companies.....	22,887,847	.....	22,887,847
Local distribution systems.....	582,985	.....	582,985
Total.....	91,160,911	26,406,723	117,567,634
Excess of amounts billed over cost of power (after withdrawal of \$809,190 from stabilization of rates reserve).....	954,620	78,455	1,033,075
Credited to municipalities on annual adjustments...	954,620	.....	.....
Credited to Rural Power District rates suspense....	.....	78,455	.....

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS
for the Year Ended December 31, 1953

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased		131,660	131,660		131,660
Interchange of power with Southern Ontario System		154,734	154,734		154,734
Operation, maintenance and administrative expenses	853,917	7,577,458	8,431,375		8,431,375
Interest (including interest on funded debt and reserves, less interest earned on investments) ..	385,758	6,166,392	6,552,150		6,552,150
Provision for depreciation	218,694	1,794,684	2,013,378		2,013,378
Provision for contingencies	218,693	486,920	705,614		705,614
Provision for sinking fund	115,417	1,848,487	1,963,903		1,963,903
	1,792,479	18,160,335	19,952,814		19,952,814
Cost of power to municipalities supplied at cost		1,877,758	1,877,758	1,877,758	
Cost of power supplied to Rural Power District	988,920	988,920			
	2,781,399	15,293,657	18,075,056	1,877,758	19,952,814
Withdrawal from reserve for contingencies and obsolescence		414,989	414,989		414,989
Total after deducting withdrawals from reserves	2,781,399	14,878,668	17,660,067	1,877,758	19,537,825
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates)				1,899,940	1,899,940
Rural Power District	2,370,542		2,370,542		2,370,542
Other customers		15,109,984	15,109,984		15,109,984
Total	2,370,542	15,109,984	17,480,526	1,899,940	19,380,466
Excess or deficiency of amounts billed over cost of power after deducting withdrawals from reserves ..	410,857	231,316	179,541	22,182	157,359
Interest on borrowings to finance deficit account			132,025		132,025
Balance					289,384
Transferred to deficit account			311,566		
Credited to municipalities on annual adjustment				22,182	

Statement of Deficit—Account of the Province of Ontario
For the Year Ended December 31, 1953

Balance at debit January 1, 1953	\$2,982,576
Add:	
Balance transferred from operating account for year ended December 31, 1953 ..	311,566
Balance at debit December 31, 1953	\$3,294,142

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Mar. 31, 1954-1957 .....	.....(a).....	Mar. 31, 1952	3
July 15, 1954.....	.....	July 15, 1949	2½
Nov. 1, 1954.....	.....	May 1, 1950	2½
Apr. 1, 1956.....	.....	Apr. 1, 1947	2
Aug. 1, 1957.....	.....	Aug. 1, 1917	4
June 1, 1958.....	.....	June 1, 1918	4
Dec. 1, 1958.....	.....	Dec. 1, 1918	4
Jan. 1, 1960.....	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 1, 1963.....	Mar. 1, 1961	Mar. 1, 1948	3
July 2, 1964.....	July 2, 1960	July 2, 1948	3
Dec. 15, 1965.....	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966.....	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967.....	Jan. 15, 1965	Jan. 15, 1952	4
Mar. 15, 1967.....	Mar. 15, 1964	Mar. 15, 1953	4¼
Apr. 1, 1967.....	Apr. 1, 1964	Apr. 1, 1947	2¾
Apr. 1, 1967.....	Apr. 1, 1965	Apr. 1, 1949	3
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968.....	Jan. 15, 1966	July 15, 1949	3
Apr. 15, 1968.....	Apr. 15, 1966	Apr. 15, 1952	4
Oct. 1, 1968.....	Oct. 1, 1965	Oct. 1, 1947	2¾
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
Nov. 1, 1969.....	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970.....	.....	Jan. 1, 1930	4¾
Apr. 1, 1970.....	Apr. 1, 1968	Apr. 1, 1950	3
May 15, 1971.....	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971.....	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972.....	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973.....	June 15, 1971	June 15, 1950	3
Feb. 1, 1975.....	Feb. 1, 1958	Feb. 1, 1953	3¼
Nov. 1, 1978.....	Nov. 1, 1958(f)	Nov. 1, 1953	3½

Total Funded Debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at December 31, 1952.....
Less redemptions during year.....

Add new bond issues during year.....

Outstanding at December 31, 1953.....

Payable in the

Canadian.....
United States.....
Canadian, United States, or Sterling.....

(a) Callable at 101. (b) Payable in U.S. funds. (c) Payable in Can., U.S., or Sterling funds.
(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province of Ontario, on behalf of the Commission. (e) \$5 million annually 1954-1957. (f) Callable at 102½.

COMMISSION OF ONTARIO

DECEMBER 31, 1953

by the Province of Ontario (except issues marked *)

Principal outstanding December 31, 1953

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
20,000,000	.....	20,000,000(e)
5,000,000	.....	5,000,000
15,000,000	.....	15,000,000*
5,106,545	4,893,455	10,000,000
8,000,000(c)	.....	8,000,000(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,500,000	7,500,000
25,490,000	8,910,000	34,400,000
26,280,000	13,620,000	39,900,000
45,000,000	.....	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
40,000,000	.....	40,000,000
10,703,455	4,119,545	14,823,000
11,600,000	32,775,000	44,375,000
35,000,000	.....	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,775,000	43,775,000
50,000,000	.....	50,000,000
13,500,000	5,916,000	19,416,000
35,000,000	.....	35,000,000
25,000,000	.....	25,000,000
38,000,000	11,650,000	49,650,000
11,864,000	.....	11,864,000
48,500,000	5,966,000	54,466,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
14,910,000	4,940,000	19,850,000
48,500,000(b)	.....	48,500,000*(b) (d)
52,000,000	2,900,000	54,900,000
50,000,000(b)	.....	50,000,000*(b) (d)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
857,754,000	128,965,000	986,719,000

during year ended December 31, 1953

\$682,754,000	\$123,965,000	\$806,719,000
20,000,000	.....	20,000,000
\$662,754,000	\$123,965,000	\$786,719,000
195,000,000	5,000,000	200,000,000
\$857,754,000	\$128,965,000	\$986,719,000

following currencies:

\$659,254,000	\$120,965,000	\$780,219,000
190,500,000	8,000,000	198,500,000
8,000,000	.....	8,000,000
\$857,754,000	\$128,965,000	\$986,719,000

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
December 1, 1954-1955	Serial bonds	4½
January 15, 1954-1957	Serial bonds	4½
November 1, 1954-1957	Serial bonds	4½
May 15, 1954-1968	Annuity bonds	4
May 15, 1954-1970	Annuity bonds	4½
January 15, 1954-1971	Annuity bonds	4½
June 1, 1954-1971	Annuity bonds	4
May 1, 1959	Bonds	5
December 2, 1960	Bonds	5

Total Advances (at par of exchange)

Summary of changes in advances from Province

Balance of advances at December 31, 1952

Less repayments during year

Balance of advances at December 31, 1953

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1953

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1953 (Payable in Canadian, United States, or Sterling Funds)		
Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
309,529	71,883	381,412
760,918	182,741	943,659
1,340,925	159,331	1,500,256
6,858,503	463,216	7,321,719
5,614,168	1,360,581	6,974,749
3,031,031	744,548	3,775,579
3,882,386	1,432,773	5,315,159
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>44,437,727</u>	<u>9,327,832</u>	<u>53,765,559</u>

of Ontario during year ended December 31, 1953

\$45,960,824	\$9,611,294	\$55,572,118
1,523,097	283,462	1,806,559
<u>\$44,437,727</u>	<u>\$9,327,832</u>	<u>\$53,765,559</u>

SECTION III

THE COMMISSION'S CUSTOMERS

IN serving its customers throughout the Province, the Commission delivered primary electric energy in wholesale quantities to distribution systems serving 370 municipalities, to certain large industrial customers, and to distribution systems serving the Rural Power District. The table on page 273 summarizes the quantities of energy delivered to these three categories of customers during 1953. Of the total of 17,865,114,207 primary kilowatt-hours supplied, 55 per cent was received by the municipalities, 37 per cent by the large industrial customers, and 8 per cent by the Rural Power District.

Details of the retail operations of the municipal electrical utilities are given in Section VIII, where Statements "A" and "B" respectively include the balance sheets and operating reports of each utility. Statements "C" and "D", also in Section VIII, give rates and statistics applicable to service in both municipal electrical utilities and local systems. Retail activity in the Rural Power District is discussed in detail later in this section and also in Appendix III where supplementary tables of rates and statistics appear.

The 370 municipalities referred to in the first paragraph may be classified in three groups as follows:—

Group	Classification	Number
1	Municipalities owning their distribution systems and served by municipal electrical utilities supplied under (a) cost contracts with the Commission..... (b) fixed-rate contracts with the Commission.....	320 12
2	Other municipalities served by municipal electrical utilities in municipalities of group 1.....	5
3	Municipalities served by distribution systems owned and operated by the Commission and referred to in this Report as local systems.....	33
	Total.....	370

Three municipalities were added to group 1 during 1953, two of them having been formerly served as local systems, and two municipalities were added to group 3.

In addition to these 370 municipalities, the Commission during 1953 served 909 communities through the Rural Power District. The total of 1,279 communities included 27 cities, 127 towns, 11 mining townsites, 9 improvement districts, 152 villages, and 173 police villages. The remaining 780 were townships, organized and unorganized.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

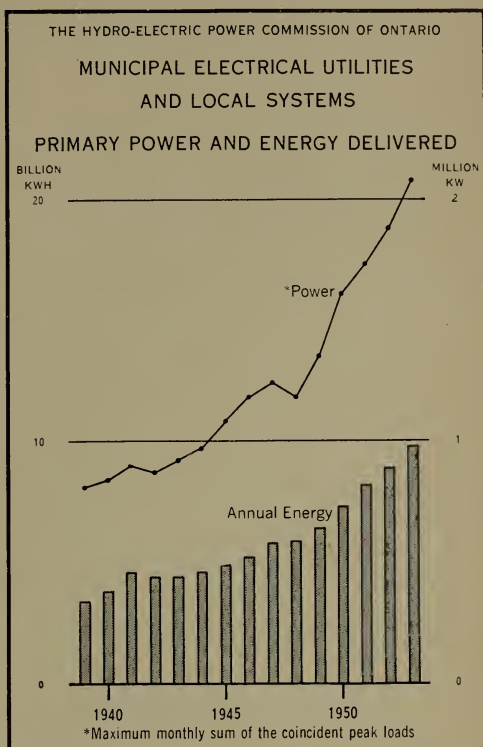
A total of 9,826,407,112 kilowatt-hours was delivered to municipal electrical utilities and local systems in 1953, an increase of nearly 10 per cent over the total delivered in 1952. The maximum monthly sum of their peak loads in December 1953 was 2,082,443 kilowatts, and exceeded the similar maximum in 1952 by 10 per cent. The peak loads of the individual municipalities are given in the table beginning on page 276. Each peak load represents the maximum average demand of the municipalities during any twenty consecutive minutes in the month, and is obtained by reading coincident values at all points of delivery.

The extensions of the Commission's facilities to supply municipal utilities are discussed in the Operations and the Engineering and Construction Sections of the Report. Two municipalities, Vankleek Hill and L'Orignal, formerly served through local systems, received service under cost contracts from June 1 and July 1 respectively. Kapuskasing, which had formerly been served by a private company, began to receive service under a fixed-rate contract on July 30. The village of Mattawa, also previously served by a private company, and Wasaga Beach, formerly served as part of the Rural Power District, were added to group 3, local systems, on January 1, 1953.

The municipal utilities themselves undertook changes and additions to their distribution systems, and upon some of these projects the Commission gave advice and engineering assistance. The Commission gave approval during 1953 for the expenditure by the municipal utilities of \$15,300,000 on such capital projects. In several municipalities, measures have been taken by the municipal utilities to provide for the supply of growth load at 60 cycles in the former 25-cycle area of the Southern Ontario System. Approval was given for capital expenditures in this connection amounting in total to nearly \$600,000.

DIRECT INDUSTRIAL CUSTOMERS

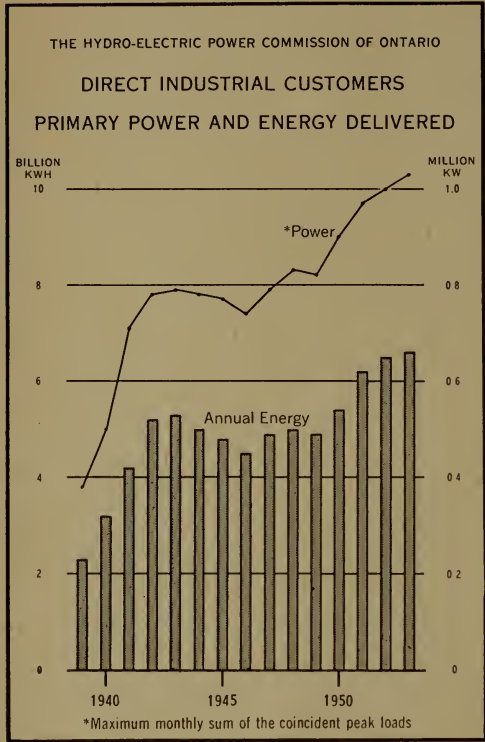
The Commission serves directly a number of industrial customers whose power requirements cannot be readily supplied through the facilities of a municipal utility or those of a rural operating area. Such customers normally provide for their own step-down transformation and buy power at transmission or sub-transmission voltages.



At December 31, 1953, there were 189 direct industrial customers in a variety of industries and services. Twelve new customers having a total normal operating load of 25,500 kilowatts were added. These included an automobile assembly plant, three new chemical plants, a factory

making electrical equipment, three base metal mines, and a salt mine. The initial delivery of power was also made to three pumping stations on an oil pipeline between Toronto and Montreal. During the year, the total number of customers was reduced by 12, most of them mining companies that had ceased operating. The normal loads of this group amounted in total to 7,740 kilowatts. As service conditions permitted, 11 other direct industrial customers of the Commission with a total load of 2,940 kilowatts were transferred to appropriate municipal utilities or rural operating areas.

The following summary groups these customers according to types of industry and shows for each group the average of the monthly primary peak loads and the kilowatt-hours of primary energy delivered during the year.



PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL CUSTOMERS DURING 1953, BY TYPES OF INDUSTRY

Type of industry	Average of the monthly peak loads	Annual energy delivered
	kw	kwh
Pulp and Paper.....	189,237	1,363,773,654
Mining:		
(a) Gold.....	83,772	566,385,817
(b) Silver and Cobalt.....	4,339	22,476,053
(c) Base Metals.....	125,752	891,571,185
(d) Non-Metals.....	2,906	16,766,512
Quarrying, Cement, and Basic Building Materials.....	24,530	159,291,906
Steel and Electro-Metallurgical.....	191,501	965,191,120
Abrasives.....	69,836	545,098,935
Chemical, Electro-Chemical, and Cyanamid.....	156,752	1,171,017,165
Grain Elevators and Milling.....	8,259	31,367,210
Transportation Services and Communications.....	2,362	12,170,462
Government Services and Institutions.....	16,630	77,233,907
General Manufacturing.....	67,473	333,137,442
Miscellaneous.....	64,727	452,704,763
Total.....	1,008,076	6,608,186,131

In sum the averages of the monthly peak loads approach very closely to the maximum monthly sum of the primary peak loads which was 1,032,473 kilowatts in the month of March. Industrial customers were supplied in 1953 with 6,608,186,131 kilowatt-hours of primary energy, an increase of 0.9 per cent over the 6,548,782,459 kilowatt-hours supplied in 1952.

Several customers increased their peak loads. Major increases were recorded by customers in nickel mining and in the manufacture of aircraft, chemicals, and cement. These increases were offset to a large extent by the reduced requirements of the electro-metallurgical and steel industries. The shut-down of three mines and a prolonged strike in one of the biggest mining areas were major factors in reducing the peak load of the gold mines, and contributed to a 10.9 per cent drop in the annual energy delivered to them.

During 1953, power agreements were signed with four companies that will take their first power in 1954 or 1955. Of these agreements, the most important involved the ultimate supply of 10,000 kilowatts to a new synthetic fibre plant in eastern Ontario, and 55,000 kilowatts to an iron ore development in the Steep Rock Lake area. Development power in large amounts will be required at this mine during the next two years, for use in the operation of hydraulic dredges removing the silt which covers the ore body. Actual extraction of ore is scheduled to commence in about 1960.

Reference is made in Section II of the Report to the increased revenues that followed revisions in contracts with certain industrial customers in the Northern Ontario Properties. Upon the expiration of a number of these industrial power contracts during 1953, the Commission renegotiated them at rates having a closer relationship to the cost of supply.



HISTORIC FARM NEAR BADEN STANDARDIZED AT 60 CYCLES

Frequency standardization was carried out during the year at Beckdale Farm, at one time the residence of Jacob Beck, and the birthplace of Sir Adam Beck, first Chairman of The Hydro-Electric Power Commission of Ontario.

RURAL ELECTRICAL SERVICE

At December 31, 1953, the Commission had completed ten years of rural electrical service under the uniform rate structure established on January 1, 1944. During this decade, the total mileage of rural primary distribution lines increased at a rate equal to about 8 per cent per annum, reaching a total of 41,589 miles at the end of 1953. The total number of rural customers served, after making allowance for the annexation by urban municipalities of certain suburban areas, increased during the same decade at an average annual rate of about 11 per cent to reach a total of 371,855 at December 31, 1953. The greatest annual growth in Hydro's rural electrical service has taken place during the second half of this decade.

Within the area served by the Southern Ontario System there were 36,610 miles of rural primary lines at December 31, 1953, and these represented 88 per cent of the Commission's total rural primary lines. Ninety per cent of the Commission's rural customers, or 335,349 in all classes of service, were supplied through the rural facilities of this System. Of these customers, about one in three was a farm service customer.



TYPICAL FARM SERVICE INSTALLATION

The transformer is near the top of the centrally-located pole and the meter and breaker box are near the base.

The rate of growth in the Southern Ontario System has been steady but not so spectacular as in the Northern Ontario Properties, where increases in total miles of rural primary line and total customers have been at an average annual rate of about 23 per cent over the past ten years. The rate was particularly high in 1948 and 1949 but declined somewhat in the following years. At the end of December 1953, the Commission was serving 36,506 rural customers in the



ELECTRICITY SERVES THE FARM

The high-pressure spray nozzles on this vegetable washer are operated by an electric pump. The vegetables, passing through the washer on a continuous mesh belt, are cooled and attractively prepared for market.

Northern Ontario Properties, about $7\frac{1}{2}$ times the number served by the Commission in northern Ontario in 1943. In 1953 one customer in every four was a farm service customer.

Extension of Rural Service During the Year

The net increase in mileage of primary distribution line during the year was 3.3 per cent, or 1,312 miles, while the net increase in number of customers was 8.2 per cent, or 28,318. The net increase in miles of line was smaller than in any of the past five years owing to the necessity of improving and rehabilitating facilities already in service. The net increase in number of customers was, however, greater than in any previous year except 1949 and 1950.

During 1953, more than 38 per cent of the net increase in rural line mileage was in northern Ontario. A large part of this extension was an outcome of the growth of certain urban and tourist areas, which is reflected in the rapid increase in the number of summer and hamlet service customers.

RURAL POWER DISTRICT

NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1953

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commercial	Summer	Power	Total
SOUTHERN ONTARIO							
Western	57.18	508	3,367	514	53	31	4,473
West Central	77.59	431	2,078	185	198	8	2,884
Niagara	20.56	82	1,880	211	16	16	2,173
Toronto	41.23	134	3,216	422	32	27	3,767
Georgian Bay	253.13	813	1,320	1,053	444	7	3,637
East Central	199.15	569	1,573	705	818	15	3,680
Eastern	160.04	681	1,458	408	344	9	2,900
Total	808.88	3,218	14,892	3,498	1,809	97	23,514
NORTHERN ONTARIO PROPERTIES							
Northeastern	374.32	616	2,209	625	437	20	3,907
Northwestern	128.59	237	333	183	142	2	897
Total	502.91	853	2,542	808	579	22	4,804
Total—All systems	1,311.79	4,071	17,434	4,306	2,388	119	28,318

Italic figures indicate net decrease.

Redistribution of Rural Operating Areas

The total number of rural operating areas in the Rural Power District was increased to 108 during the year. Merrickville Rural Operating Area was added in the Eastern Region, bringing the number of areas in the Southern Ontario System to 93. In the Northern Ontario Properties, the number of rural operating areas was increased from 14 to 15 following the extension of the territory served in the Northeastern Division. The territory formerly served by five rural operating areas was at the same time redistributed among six, which were renamed as Kapuskasing, Kirkland Lake, Matheson, New Liskeard, North Bay, and Warren Rural Operating Areas.

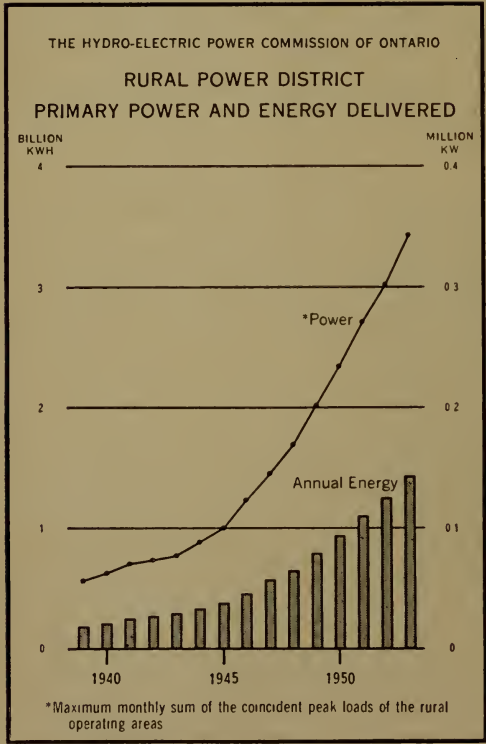
RURAL POWER DISTRICT

GROSS INVESTMENT IN FIXED ASSETS AS AT DECEMBER 31

System and Region	1952	1953	Net increase
	\$	\$	\$
SOUTHERN ONTARIO			
Western.....	24,808,335	28,467,062	3,658,727
West Central.....	21,411,178	24,151,819	2,740,641
Niagara.....	5,942,658	6,839,869	897,211
Toronto.....	8,211,624	9,728,281	1,516,657
Georgian Bay.....	26,486,941	29,491,111	3,004,170
East Central.....	19,833,123	22,769,801	2,936,678
Eastern.....	18,329,012	20,836,985	2,507,973
Total.....	125,022,871	142,284,928	17,262,057
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	13,885,747	17,112,106	3,226,359
Northwestern.....	6,560,459	7,612,451	1,051,992
Total.....	20,446,206	24,724,557	4,278,351
Total—All systems.....	145,469,077	167,009,485	21,540,408
Provincial assistance.....	71,841,139	83,222,684	11,381,545

Capital Investment

The net increase in fixed assets representing rural distribution facilities amounted in 1953 to \$21,540,408. The Provincial Government's grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric Distribution Act, was \$11,381,545. The net increase during the year brought the total capital investment in rural distribution facilities to \$167,009,485, of which \$83,222,684 had been provided by the Provincial Government as a grant in aid of construction of rural facilities.

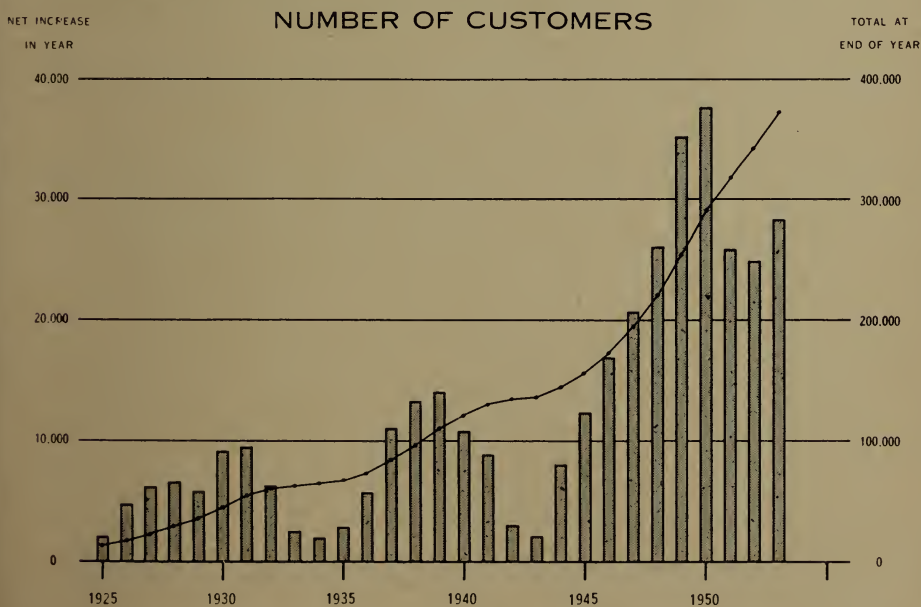
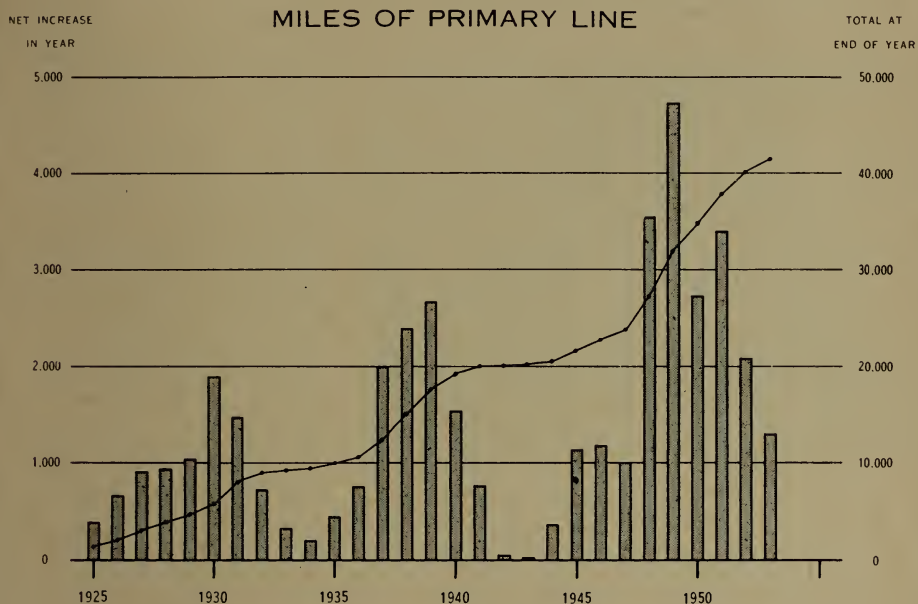


Load Growth

The table on page 273 shows the delivery in wholesale quantities of 1,430,520,964 kilowatt-hours to the 108 rural operating areas in the Province during the year, as compared with 1,255,790,163 kilowatt-hours in 1952. The monthly sum of the coincident peak loads of these areas at its maximum was 343,923 kilowatts, an increase of 14 per cent over the corresponding total of 302,261 kilowatts in 1952.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT



Retail consumption in the Rural Power District, street lighting included, reached a total of 1,252,188,997 kilowatt-hours during the year, an increase of nearly 144 million kilowatt-hours over the total in 1952. This growth in consumption followed increases in the number of customers for all classes of service, and increases in total energy used by all classes except summer service. The comparison of totals for the various classes of customer should be made only with the knowledge that certain types of commercial and summer service customers were reclassified during 1953. For example, a large number of



ELECTRICITY SERVES THE FARM

Electrical spraying equipment being used to apply insecticide in a piggery

customers operating tourist establishments, formerly classified as summer service, were given commercial service rating. Owing in part to this reclassification, the average consumption per customer for commercial service showed a slight decline, and for summer service a marked decline. This decline in average consumption was in turn reflected in increases in average cost per kilowatt-hour, increases substantially greater for these two classes of service than for farm and hamlet service. The average

cost per kilowatt-hour for power service was approximately the same as in 1952, and in general, it may be said that, except for summer and industrial power service, average costs per kilowatt-hour for rural service in 1953 were approximately the same as in 1944.

Rates for Rural Electrical Service

Throughout the Commission's systems, a uniform rate schedule is in effect for each of four classes of rural service—farm, hamlet, commercial, and summer service. All customers within any one class, if they have the same rating and consume the same number of kilowatt-hours per month, receive a bill for the same amount regardless of where they are located. On January 1, 1953 these rates were increased in order to meet the continued rise in the cost of labour and materials as well as the higher cost of generation by fuel-electric resources. At that time, it was estimated that the average cost of electric power to rural customers, excluding power service and street lighting, would increase by about 15 per cent. The net effect of the increased rates, taking into consideration the more extensive use of energy in 1953, was to raise the average cost per kilowatt-hour by 11.9 per cent.

Each of the main classes of Hydro rural service is briefly described in Appendix III and the rates applicable to each are given. Appendix III also includes tables showing miles of line and number of customers in rural operating areas, and a statistical table supplementary to the table on page 41 and dealing with rural services in the years 1928 to 1943.

**RURAL SERVICE SINCE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND
NEW CLASSIFICATION, JANUARY 1, 1944**

Service	Year	Annual revenue	Energy consumption	Number of cus- tomers	Average cost per kwh	Average monthly bill	Average monthly consump- tion
		\$	kwh	No.	cents	\$	kwh
Farm service.	1944	2,396,508.94	113,706,660	59,639	2.110	3.53	167
	1945	2,606,431.15	137,194,727	65,141	1.900	3.48	183
	1946	3,072,921.16	176,460,859	72,285	1.741	3.72	214
	1947	3,430,307.61	206,420,795	78,668	1.662	3.79	228
	1948	3,942,730.96	242,291,332	87,530	1.627	3.95	243
	1949	4,508,978.00	275,946,330	102,051	1.634	3.96	243
	1950	7,441,437.92	403,018,641	114,724	1.846	4.90	266
	1951	8,097,710.92	410,722,321	123,434	1.972	5.67	287
	1952	9,017,321.17	468,478,642	129,451	1.925	5.95	309
	1953	11,053,487.41	510,783,290	133,522	2.164	7.01	324
Hamlet service. . . .	1944	1,937,102.28	82,106,734	56,130	2.360	2.95	125
	1945	2,027,283.82	92,056,781	58,867	2.202	2.93	133
	1946	2,345,531.81	118,287,655	66,177	1.982	3.12	158
	1947	2,754,265.69	150,411,043	74,879	1.831	3.24	178
	1948	3,279,149.63	185,225,412	85,598	1.770	3.40	192
	1949	3,552,600.42	200,875,642	94,852	1.769	3.28	186
	1950	5,712,108.72	302,905,040	114,592	1.886	3.90	207
	1951	6,380,808.20	314,271,957	124,091	2.030	4.45	219
	1952	7,253,640.00	366,600,438	133,193	1.979	4.71	238
	1953	9,560,018.46	430,507,266	150,627	2.221	5.61	253
Commercial service.	1944	341,646.50	15,010,213	8,262	2.276	3.51	154
	1945	381,570.09	18,915,619	8,870	2.017	3.72	184
	1946	468,391.94	25,069,924	10,315	1.868	4.07	218
	1947	572,625.58	33,304,037	11,851	1.719	4.30	250
	1948	706,949.62	41,665,764	13,589	1.697	4.63	273
	1949	1,147,167.71	69,458,813	18,439	1.652	5.97	361
	1950	2,083,696.71	113,039,553	18,749	1.843	8.00	434
	1951	2,284,851.74	115,121,444	20,110	1.985	9.80	494
	1952	2,457,032.13	125,932,132	24,564	1.951	9.11	470
	1953	3,385,239.46	149,120,428	28,870	2.270	10.56	465
Summer service. . . .	1944	435,622.43	11,859,662	19,291	3.673	1.93	53
	1945	473,887.53	14,250,142	20,947	3.325	1.96	59
	1946	555,833.10	18,352,748	24,244	3.029	2.05	68
	1947	632,102.22	21,116,561	27,182	2.993	2.04	68
	1948	722,951.54	24,440,522	31,088	2.958	2.07	70
	1949	855,107.11	28,038,463	37,313	3.050	2.08	68
	1950	1,376,606.36	32,307,669	43,735	4.261	2.81	66
	1951	1,616,368.92	36,705,187	49,913	4.404	2.86	65
	1952	1,826,359.64	40,319,422	55,159	4.530	2.90	64
	1953	1,833,881.12	34,287,310	57,547	5.349	2.71	51
Power service.	1944	909,151.13	70,347,788	640	1.292		
	1945	801,755.45	61,780,750	608	1.298		
	1946	695,585.62	52,234,081	756	1.332		
	1947	791,701.84	56,514,985	817	1.401		
	1948	868,667.70	64,376,898	909	1.349		
	1949	922,265.51	62,692,652	976	1.471		
	1950	1,429,465.54	87,983,478	1,011	1.625		
	1951	1,562,608.29	87,692,082	1,058	1.782		
	1952	1,799,924.89	102,608,301	1,170	1.754		
	1953	2,147,899.48	121,310,479	1,289	1.771		

The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

**MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING
AREAS AT DECEMBER 31, 1953**

System by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Commercial	Summer	Power	Total
SOUTHERN ONTARIO							
Western	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central	6,111.14	24,221	21,704	3,569	3,017	224	52,735
Niagara	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay	8,371.63	22,578	15,167	4,896	22,894	92	65,627
East Central	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern	5,478.71	16,980	13,782	3,850	4,558	133	39,303
Total	36,610.07	123,961	131,611	25,203	53,411	1,163	335,349
NORTHERN ONTARIO PROPERTIES							
Northeastern	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern	1,641.71	3,266	3,452	917	1,138	26	8,799
Total	4,978.80	9,561	19,016	3,667	4,136	126	36,506
Total—All systems	41,588.87	133,522	150,627	28,870	57,547	1,289	371,855

SERVICES TO CUSTOMERS

A variety of services was made available to the Commission's customers—municipal, industrial, and rural—through the Commission's staff both in the regional offices and at head office. These services included advice on all aspects of municipal utility activities—engineering, operation, and finance—as well as guidance and assistance in the improvement of service. Some of these services are discussed under subject headings in the following paragraphs.



ELECTRICAL DAIRY EQUIPMENT

On this dairy farm the cows are milked by electrically-operated equipment. The milk, after being weighed, is transferred by an electrical centrifugal pump to the thermostatically-controlled cooler shown at the right, and stored in cans at a temperature of 38 degrees Fahrenheit.

Industrial Surveys

The maintenance of high power factor is important in the efficient and economical operation of the electrical equipment both of the customer and of the supplier. As a service to industrial customers served either by the Commission or by the municipal utilities, the Commission conducted 83 power-factor surveys. The purpose of the surveys was to assist the customer in avoiding the additional charges levied for low power factor. Recommendations were made for the installation of a total of over 10,000 kva of capacitors. The large majority of these recommendations were accepted since it could be demonstrated that the resulting savings in power bills would liquidate the cost of most installations in about one year. The utilities serving these customers would benefit too since the power-carrying capacity of their equipment would be increased.

Lighting Service

During 1953 the Commission prepared plans and specifications for 304 lighting installations. Of these, 142 were designed to assist the Ontario Department of Education in providing adequate illumination for schools. The others were for public buildings, offices or industrial buildings, sports arenas, and for flood lighting or municipal street lighting.

Electrical Inspection

The Commission is responsible for establishing minimum standards and enforcing their observance in the installation and maintenance of electric wiring and equipment. In the fulfilment of this responsibility, 337,408 permits were issued during the year and 626,690 inspections were made. The marked increase over 1952 of 8.7 per cent in permits issued is a reflection of the continued growth of building activity in the Province.

REPORTS FROM THE REGIONS RELATING TO MUNICIPAL ACTIVITIES

Following certain changes in organization and administrative procedure effected in 1947, the Province was divided into nine regions, and a regional office was strategically located in each of the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The purpose was to administer more effectively the affairs of the Commission and to bring the public into closer touch with its personnel.

The regional manager and his staff, which includes representatives of the main branches of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission. They also co-operate closely with the municipalities, and when required give advice and assistance to the municipal utilities in their engineering and administrative problems. At the request of the utilities, engineering and construction work in the improvement or extension of municipal distribution systems may actually be carried out by the Commission's staff.

Reports relative to some of the more important municipal activities in each region follow, the order of the regions being that followed above in naming the municipalities where their respective offices are located.

WESTERN REGION

Provision was made for load growth at 60 cycles through the supply of 60-cycle power in Chatham, Ingersoll, St. Thomas, and Woodstock.

The distribution-system voltage was changed from 4,000 to 8,000 volts in Brigden and Hensall, and extensive rehabilitation was carried out in conjunction with this change in Hensall.

Cottam—A program of rehabilitation of the distribution system was begun in the village.

Granton—Extensive rehabilitation of the distribution system was required following a wind storm of high velocity in September.

Lambeth—A rehabilitation program, which included an increase in transformer capacity and the relocation of a number of transformers, was completed.

London—The Ann Street Station was totally rebuilt. The capacity of the transformers at this station supplying power service customers was increased from 750 kva to 1,500 kva, and two 1,500-kva transformers were replaced by a 3,000-kva unit.

The 120/208 low-voltage network was increased by the addition of 6,500 feet of cable, and 2,000 feet of existing cable were replaced. In both cases, three single-conductor cables of 500,000 circular mils were employed.

Riverside—Major changes were made to the distribution system to provide a tie with the new 5,000-kva Homedale Distributing Station.

St. Thomas—Work was completed on a new 25-cycle municipal station to serve the northeast section of the city, and the capacity of Municipal Station No. 2 was increased to take care of 25-cycle load growth.

Sarnia—The tornado that swept through the centre of the municipality in May caused widespread damage to the distribution system. Service was quickly restored and the extensive reconstruction required was carried out with a minimum of delay.

Windsor—The frequency standardization program in the city of Windsor was completed during 1953.

A new municipal station, located at the corner of Guy and Millay Streets, was placed in service to supply customers in the east end of the city.

Woodstock—The 550-volt distribution circuits out of Municipal Station No. 2 were changed to 4-kv, 3-phase, 4-wire operation to provide improved service at 60 cycles.

WEST CENTRAL REGION

In the West Central Region, a change in distribution voltage from 4,000 to 8,000 volts was effected in Blyth. Rehabilitation of the distribution system was begun in Clinton, and extensive rehabilitation was carried out in sections of Burford, Drumbo, Jarvis, and Princeton.

Ayr—Three-phase power service was supplied to a new factory, and to an artificial-ice plant in the local arena.

Brantford—Primary and secondary 60-cycle distribution circuits were extended and a 2,700-kva, 60-cycle municipal station was built. The new station required the erection of two miles of 27.6-kv, 60-cycle line.

Brantford Township—A total of 277 new customers was added to the system during the year. Power at 60 cycles was provided to two supermarkets.

Burlington—Following the annexation by Burlington of a portion of Nelson Township, the local utility purchased from the Commission the facilities supplying 15 customers in the annexed area. Construction was begun on a 750-kva, 3-phase, 4,100—120/208-volt substation to supply a large shopping centre which will be completed early in 1954.

Galt—By the end of the year, the 60-cycle load in the municipality was 5,300 kilowatts. Work was undertaken on subtransmission lines and municipal stations in preparation for a change in supply voltage from 13.8 to 27.6 kv.

Goderich—Power was supplied to a new housing development, and over a mile of primary line was erected to serve a new power service customer.

Guelph—A total of 810 new customers was added during the year. This total included 305 customers located in an area of 2,500 acres annexed by the city at the beginning of 1953.

A temporary 1,500-kva, 60-cycle station was built and two customer-owned, 13.8-kv, 60-cycle stations were installed. The total 60-cycle load at the end of the year was 3,700 kilowatts. The change from 2,400-volt to 4,160-volt operation began in 1953. This program, about half completed by the end of the year, will be carried to completion in 1954, prior to frequency standardization.

Street lighting on York Road was improved by the erection of 83 modern luminaires.

Hamilton—Power at 60 cycles was supplied to new power loads in various parts of the city. Over 50 customers with a total connected load of 2,360 kilowatts were thus supplied.

Three 2,000/3,600-kva dual-frequency transformers were installed in the new distributing station at Barton and Gibson Streets. The capacity of Dundurn Distributing Station was increased by the addition of three 2,000/3,600-kva dual-frequency transformers. A temporary 1,000-kva station was installed to provide 60-cycle power in the western part of the city, and a temporary outdoor 400-kva, 60-cycle station was constructed to supply a new subdivision. At Mohawk Distributing Station, 10,000 kva of 60-cycle transformation was installed. Supply at 25 cycles at this station is maintained on a temporary basis.

Extensive changes and additions were made to the 13.8-kv underground system.

Hespeler—In order to provide for a load increase of 1,500 kilowatts, a new 27.6-kv, 60-cycle station with a capacity of 3,000 kva at 60 cycles was constructed by a power service customer.

Kitchener—A new 3,000-kva, 13.8—4.0/2.3-kv, 60-cycle substation was constructed. Construction work on the underground low-voltage network was continued and four underground transformer vaults and approximately 500 feet of duct were installed. In addition, two miles of 13.8-kv subtransmission lines were erected as part of a subtransmission loop.

Power was supplied at 60 cycles to meet load growth and 6,000 kva of temporary 60-cycle transformer capacity was added to the system in order to facilitate standardization operations.

New Hamburg—Frequency standardization was completed. Facilities were provided to supply a new power service customer and the local arena.

Paris—Construction was begun on a new substation in the north end of the town. New street-lighting luminaires were installed in the business section.

Plattsville—The distribution system was changed considerably to provide for increased load at the plant of a power service customer.



DECEW FALLS HISTORIC SITE

This memorial, erected in 1952, marks the site of the former DeCou Stone House in grounds owned and landscaped by the Commission. The house, officially declared an historic site in 1953, was associated with events in the war of 1812-14 and with other historical events of the early nineteenth century. These are suitably commemorated on the bronze plaque.

St. Mary's—The section of the distribution system adjacent to the business section was rehabilitated, and facilities were extended in order to supply a new school.

Seaforth—Luminaires on concrete poles were installed on Goderich Street, power being supplied by underground cable.

Stoney Creek—Distribution facilities were extended to serve several new subdivisions and to meet the requirements of a new power service customer.

Waterloo—Considerable progress was made in providing 60-cycle power

to a large number of power service customers. Two new subdivisions were also supplied with 60-cycle power.

Municipal Station No. 3 was completed with the installation of a 3,000-kva, 3-phase, 60-cycle transformer. A site was purchased and equipment was ordered for Municipal Station No. 5.

NIAGARA REGION

In meeting the requirements for 60-cycle power, six new 60-cycle stations were placed in service in municipalities of the Niagara Region. Three of these were municipal stations in the city of Niagara Falls, and the others were owned by direct industrial customers, one in Merriton and two in Welland. In Thorold, the 25-cycle transformer at Municipal Station No. 2 was replaced by a 60-cycle transformer.

Fonthill—Major rehabilitation was carried out on the distribution system.

Port Dalhousie—The capacity of the distributing station was increased from 1,000 to 2,000 kva.

TORONTO REGION

In the village of Bronte and the west section of Trafalgar Township the distribution voltage was changed from 2,300 to 4,000 volts.

Aurora—New street lighting was installed on the main street and on major side streets.

Brampton—The municipality annexed approximately 1,200 acres of Chincouacousy Township, involving the transfer to the municipal utility of approximately 50 customers formerly served by the Brampton Rural Operating Area.

To provide for increased load, a power service customer previously taking power at 4 kv installed a new 27.6-kv customer-owned station.

Etobicoke Township—Service was extended to four new power service customers at 27.6 kv. Three municipal stations having supervisory control and telemetering were placed in service.

A total of 2,600 new customers was added during the year.

The new office building was officially opened on April 22.

Georgetown—A new 27.6-kv customer-owned sub-station was placed in service.

Mimico—The transformer at Municipal Station No. 2 was rewound for 60-cycle operation, the capacity being increased from 1,500 to 2,700 kva.

Newmarket—A new street-lighting system was installed on the main street.

New Toronto—A 27.6-kv station was installed by a new power service customer.

North York Township—Five new power service customers were supplied at 27.6 kv, and four new municipal stations were placed in service during the year. The capacity of Albion Park Distributing Station was increased from 2,000 to 3,600 kva. The frequency standardization program was completed in April. A total of 3,684 new services was connected.

Oakville—The Public Utilities Commission completed the purchase of the two stations serving the municipality.

Scarborough Township—The new office and stores building was officially opened on October 2.

Six new power service customers were supplied at 27.6 kv. The new Comstock Municipal Station was placed in service and West Hill Distributing Station was increased in capacity from 600 to 3,000 kva.

Approximately 2,550 new customers were added in 1953.



FLORAL CLOCK AT QUEENSTON

In honour of Her Majesty Queen Elizabeth II, the floral clock incorporated a motif appropriate to the year of her coronation.

Streetsville—Following the annexation by Streetsville of approximately 180 acres of Toronto Township, 37 rural customers formerly served by Brampton Rural Operating Area were transferred to the municipal utility.

A new street-lighting system was installed on the main street.

Toronto—During the year, the underground 13.2-kv, 60-cycle system was extended to supply Danforth, Glengrove, North Toronto, George, and Duke Distributing Stations. Service at this voltage and frequency was also given to a number of the system's large power service customers to permit the standardization of their plants. Supply at 60 cycles was also established to the Broadview and Asquith Distributing Stations of the Toronto Transportation Commission, and the 25-cycle rotary converters were replaced by 60-cycle rectifier equipment at the North Toronto, Junction, Duncan, and Carlaw Distributing Stations.

Work proceeded on the installation of secondary distribution lines for the supply of 60-cycle power at 120/240 volts, and also on the installation of the associated 4,000-volt primary distribution lines and transformers. This work was finished in 14 of the 28 divisions of the system. The total load supplied at 60 cycles increased from 50,600 kilowatts to 109,800 kilowatts during the year.

Construction was begun on new 4-kv, 20,000-kva stations on Hammersmith Avenue and on Runnymede Road. Approximately 500,000 feet of cable were installed in ducts.

Toronto Township—A new power service customer was supplied at 27.6 kv, and a direct customer of the Ontario Hydro was transferred to the local utility.

The new Mineola Municipal Station was placed in service.



ADMINISTRATION BUILDING OF SCARBOROUGH PUBLIC UTILITIES COMMISSION

York Township—Frequency standardization, which commenced in April, was 90 per cent complete by the end of the year.

The rewinding of transformers for 60-cycle operation increased capacity by 80 per cent. The alterations to switchgear, as required by this increase in distributing station capacity, were completed.

A power service customer formerly supplied at 575 volts installed a new 27.6-kv station to provide for increase in load.

Street lighting on all residential streets was improved by increasing fixture height and replacing 100-watt lamps by 200-watt lamps.

GEORGIAN BAY REGION

The distribution-system voltage was changed from 2,300 volts to 4,000/2,300 volts in Kincardine and Penetanguishene, and from 4,000/2,300 volts to 12,500/7,200 volts in Magnetawan. Voltage changes in other municipalities are individually noted.

Electronic water-heater control was installed in Alliston, Kincardine, and Penetanguishene.

Barrie—The Bayfield Street Distributing Station and the 44-kv transmission circuit from Barrie Transformer Station to this station were purchased from the Commission.

Coldwater—The transmission voltage was changed from 22 to 44 kv. At the same time, the capacity of the distributing station was increased from 300 to 600 kva.



ETOBICOKE HYDRO-ELECTRIC COMMISSION'S NEW OFFICE BUILDING



RICHMOND HILL AREA OFFICE

This building is typical of the Commission's new area offices.

Elmvale—The distribution system was changed from 2,300-volt to 8,000/4,600-volt operation. A new 2,000-kva distributing station was installed within the municipality to provide transformation for the municipal system and for part of Barrie Rural Operating Area.

Flesherton—The distribution system was changed from 4,000/2,300-volt to 8,000/4,600-volt operation and the municipality is now supplied from the new Rock Mills Distributing Station and not, as formerly, from Eugenia Generating Station.

Port Elgin—A new office and stores building was constructed.

Wasaga Beach—On January 1, 1953, the municipality was transferred from service through the rural operating area and supplied through a Commission-owned local distribution system.

EAST CENTRAL REGION

In the municipalities of Hastings and Havelock, the distribution system was changed from 4,000/2,300-volt to 8,000/4,600-volt operation and in the town of Deseronto the distribution system was changed from 2,300-volt to 4,000/2,300-volt operation.

Frankford—The change of the distribution system from 4,000-volt to 8,000-volt operation was almost completed. Extensive rehabilitation work also was carried out.

Kingston—Municipal Station No. 2 and the lines supplied from it were changed from 2,300-volt to 4,000/2,300-volt operation.

Consideration was given to a plan for the future development of the 44-kv subtransmission system in the municipality.

Lakefield—A new garage and stores building was constructed late in the year.

Peterborough—On January 1, 1953, the municipality of Peterborough annexed a large area to the north of the city, involving the transfer to the utility of approximately 350 rural customers.

Tweed—Most of the work was completed in a major program of construction which, in addition to extensive rehabilitation, included new street lighting, and distribution lines from a new station.

EASTERN REGION

Alexandria—The new Public Utilities Commission building was completed and occupied in March. This modern building provides office, store-room, and garage facilities and replaces accommodation formerly rented at three locations.

Alfred—The electors of the village of Alfred voted in October in favour of purchasing the distribution system and taking power from the Commission under a cost contract.

Almonte—Modern street lighting was installed on Almonte Street.



WINCHESTER RURAL OPERATING AREA
New office building and garage

Arnprior—The voltage on the subtransmission circuit supplying this municipality was changed from 33 to 44 kv during August. Service was provided for a new power service customer.

Modern street-lighting standards were erected on several streets in the business section.

Cobden—The change in distribution-system voltage from 2.4 kv to 12.5/7.2 kv was completed.

Hawkesbury—Extensive rehabilitation of the distribution system was carried out.

Kemptville—The capacity of the distributing station supplying this municipality was increased from 1,000 kva to 2,000 kva and relocated more conveniently near the load centre.

L'Orignal—On July 1, 1953, the municipality assumed ownership and operation of the distribution system and now purchases power from the Commission under a cost agreement.

Martintown—Extensive rehabilitation of the distribution system was undertaken.



RURAL ELECTRICAL SERVICE IN NORTHERN ONTARIO

Line crews are shown completing installations for service to a community in the Rural Power District. Iron Bridge, located on the highway between Blind River and Thessalon, was served by the Commission for the first time in 1953.

Ottawa—The new Florence Municipal Station was placed in service, and the capacity of the Vaughan and Clifton Municipal Stations was doubled.

Prescott—Industrial growth in the area and the development of two new subdivisions required extensive changes and additions to the distribution system.

A new power service customer was supplied at 44 kv in 1953.

Renfrew—Additional generating capacity of 500 kva was installed in one of the municipal hydro-electric stations. A new distributing station with a capacity of 3,000 kva was constructed to supply 4-kv power to the municipality and to replace the facilities formerly supplying power at 6.9 kv. The voltage on the subtransmission circuit supplying Renfrew was changed from 33 kv to 44 kv in August.

Rockland—The municipality entered into a cost agreement with the Commission and will take power under this agreement in 1954. Rockland continued in 1953 to be served by the Gatineau Electric Light Company.

Smith's Falls—A new municipal station with a capacity of 3,000 kva was constructed in the northern part of the town at a location convenient for the supply of certain new power service customers.

Vankleek Hill—On June 1, the municipality took over the ownership and operation of the distribution system and began taking power from the Commission under a cost contract.

NORTHEASTERN REGION

Cobalt—The distribution system was rehabilitated in conjunction with a change from 2,300-volt to 4,000/2,300-volt operation.

Cochrane—The capacity of the municipal station was increased from 1,000 kva to 3,000 kva on November 1, 1953.

Kapuskasing—The municipality began taking power under a fixed-rate contract with the Commission on July 30, 1953. A new municipal station was constructed.

Mattawa—On January 1, the Commission began to supply power to the municipality through the local distribution system purchased by the Commission from the Mattawa Electric Light & Power Company Limited.

North Bay—A new power agreement was signed with the Commission, effective October 1, 1953.

Changes at Municipal Station No. 2 included the installation of 5,000 kva of additional transformer capacity, and the addition of new metal-clad equipment.

Sudbury—A new power agreement was signed with the Commission, effective October 1, 1953.

Changes were completed at the municipal stations to enable them to receive power at 44 kv. Each of the three stations has a capacity of 10,000 kva.

NORTHWESTERN REGION

During 1953, the Commission undertook to supply power to Ignace. This will require the construction of a 115—12.5-kv transformer station and approximately 12 miles of 12.5-kv line.

The Commission was able to give emergency assistance to the town of Rainy River between September 17 and December 1 by supplying power at 2,300 volts from the Rainy River Rural Operating Area through a temporary 12,500—2,300-volt distributing station.

Dryden—The municipality entered into a cost agreement with the Commission and will take power under the agreement early in 1954. A 3,000-kva distributing station was constructed to supply the municipality, and the distribution system was changed from 2,300-volt to 4,000/2,300-volt operation.

Fort William—A new unit-type 4,000-kva municipal station was constructed on Vickers Street.

Port Arthur—A new unit-type 4,000-kva municipal station was constructed on May Street near Memorial Avenue.

SECTION IV

FREQUENCY STANDARDIZATION

IN October 1953, the frequency standardization program entered its fifth year. It had already become apparent that the complete operation would be considerably greater in scope than had been originally estimated because of the greater number of customers requiring standardization and the increased number of appliances per domestic customer. This increase in volume of work to be done, coupled with increased cost of labour and materials, will necessarily be reflected in the total cost of the program.

Standardization of Customer Equipment

During 1953, standardization was completed for 107,430 customers, bringing the total since the inception of the program to 375,718, or well over one-third of the estimated total number of customers requiring standardization. Of the 107,430 customers changed over in 1953, 17,027 were customers who had moved during the year from 25-cycle to 60-cycle areas in the Southern Ontario System. Approximately 80 per cent of these were locating in the 60-cycle area of Metropolitan Toronto, an indication of the continued rapid development in this area.

At December 31, 1953, standardization had been completed for 84 municipal utilities and local systems, while a portion of the work had been completed in 26 others, including those municipalities where 60-cycle power had been made available in advance of the scheduled program. Standardization was also completed in 16 rural operating areas, and partially completed in 15 others.

The accompanying table indicates the progress of the frequency standardization program both prior to and during 1953. In addition to the items recorded in the table, 101,102 clocks, fans, and miscellaneous small devices were exchanged during the year at depots established in areas undergoing



FREQUENCY STANDARDIZATION OPERATIONS
IN METROPOLITAN TORONTO

All the material required for the standardization of each customer in a residential district is delivered to the house just before the actual changeover is made.

standardization. In all, 277,205 of these appliances had been so exchanged to December 31, 1953.

PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF CUSTOMERS

	Customers standardized			Frequency-sensitive items standardized		
	Prior to Jan. 1, 1953	During 1953	Total to Dec. 31, 1953	Prior to Jan. 1, 1953	During 1953	Total to Dec. 31, 1953
Domestic.....	207,083 10,792 24,740	69,631 12,289 16,821	341,356	845,117 25,778 59,267	330,645 54,644 42,373	1,357,824
	242,615	98,741		930,162	427,662	
Commercial.....	19,912 1,726 175	6,098 1,101 185	29,197	155,727 6,855 1,875	58,887 11,903 1,038	236,285
	21,813	7,384		164,457	71,828	
Power.....	2,963 826 71	733 551 21	5,165	163,160 46,107 3,277	50,962 67,550 565	331,621
	3,860	1,305		212,544	119,077	
Total.....	268,288	107,430	375,718	1,307,163	618,567	1,925,730

NOTE: The figures on customers and equipment standardized, which are given for each class of customer, relate to (1) those standardized by the Commission's contractor, (2) those standardized by other contractors, and (3) a special group standardized on the occasion of a move from 25-cycle areas to 60-cycle areas of the Southern Ontario System.



TEMPORARY 60-CYCLE TRANSFORMER INSTALLATION

A municipal substation with a 60-cycle transformer (left) temporarily installed during frequency standardization operations. The main 25-cycle transformer will later be rewound for 60-cycle operation, and reconnected, or replaced. At some of the newer substations and with dual-frequency transformers, it is necessary only to reconnect the transformer when standardization of the area is completed.

Load Growth at 60 Cycles

During the year, frequency standardization operations, in addition to offsetting load growth at 25 cycles, reduced the 25-cycle demand by 198,000 kilowatts; at the same time the 60-cycle peak load in the former 25-cycle area increased by 322,000 kilowatts, as compared with 318,000 kilowatts in 1952, and 249,500 kilowatts in 1951. During December of 1953, the Commission's frequency-changers were at times required to supply as much as 165,000 kilowatts to the 60-cycle system.

Provision for the Supply of 60-Cycle Power

The Commission's frequency-sensitive equipment supplying municipal systems and rural operating areas was standardized in accordance with the requirements of the program. Engineering assistance in the standardization of distribution facilities was provided to a number of municipalities, including Windsor, Sarnia, London, and Stratford. Final plans were made for standardization in Waterloo, and major planning and engineering was carried out for areas scheduled for standardization in the near future, including Toronto, Hamilton, Kitchener, Guelph, Galt, Preston, and the immediate districts. In Toronto, provision was made for 60-cycle transformation at the Esplanade and Bridgman Transformer Stations; for increased 60-cycle capacity at Fairbank, Strachan, and Thorncliffe Transformer Stations; and for the construction of two new transformer stations, one adjacent to the Richard L. Hearn Generating Station and the other in southwest Scarborough Township. Plans were completed for the construction of a 115-kv transformer station in Hamilton to supply the southern part with 60-cycle power.

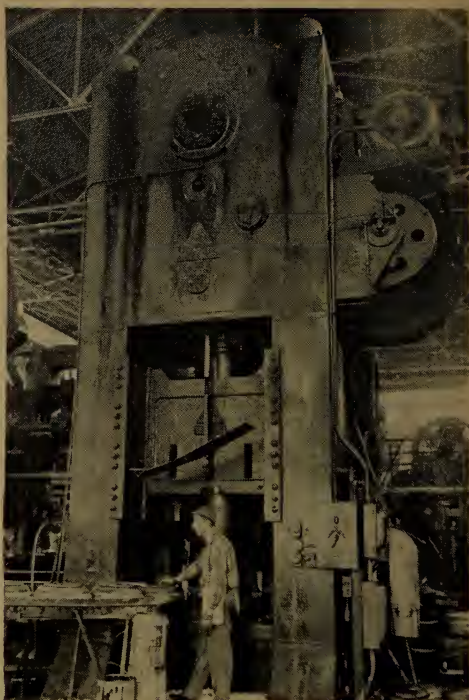


PROGRESS OF FREQUENCY STANDARDIZATION IN THE SOUTHERN ONTARIO SYSTEM—as at December 31, 1953. The shaded part of the map indicates the extent to which the four regions constituting the former 25-cycle area have been standardized at 60 cycles. In a number of municipalities, designated by a square symbol on the map, power was available at both frequencies.

Unit No. 1 at Richard L. Hearn Generating Station was changed over for 60-cycle operation during the summer and returned to service at the end of August. At Chats Falls Generating Station, Unit No. 2, which was extensively damaged during the fire, was being rebuilt for 60-cycle operation, and plans were made for changing over three more units at this station.

Economies Effected

With a view to reducing the cost of standardization, the Commission continued its policy of encouraging the manufacture of dual-frequency equipment. Through agreements negotiated with manufacturers, the Commission assumes the additional cost of such equipment and the manufacturer undertakes to make it available to the public at no increase in price. A number of



FREQUENCY STANDARDIZATION IN INDUSTRIAL PLANTS

Left: A 25-cycle motor being removed during the standardization of a large stone-polishing machine

Right: One of two 1,500-ton presses standardized in a Windsor factory. These presses were among the largest pieces of industrial equipment standardized during the year.

such agreements were executed during the year with manufacturers of fan motors, oil-burner motors and controls, and refrigerator units. At the end of 1953, a total of 292,020 fluorescent lighting ballasts, 7,890 refrigerating units, and 176,811 motors, ignition transformers, and other pieces of equipment of the dual-frequency type had been sold under agreements of this kind.

Other economies were effected through improved methods and procedures. Wherever possible, equipment salvaged from customers' premises at the time of standardization has been reconditioned for 60-cycle operation and used in the program. Many new rewind designs were developed for both single-phase and polyphase motors. A total of 44,961 motors were rewound during the year, of which 29,993 were rewound in the Commission's rewind shop. Approximately 20 per cent of the 25-cycle motors associated with domestic and commercial equipment were replaced with rewound motors, and about 37 per cent of the connected horsepower in industrial motors standardized in 1953 was replaced with rewound motors.

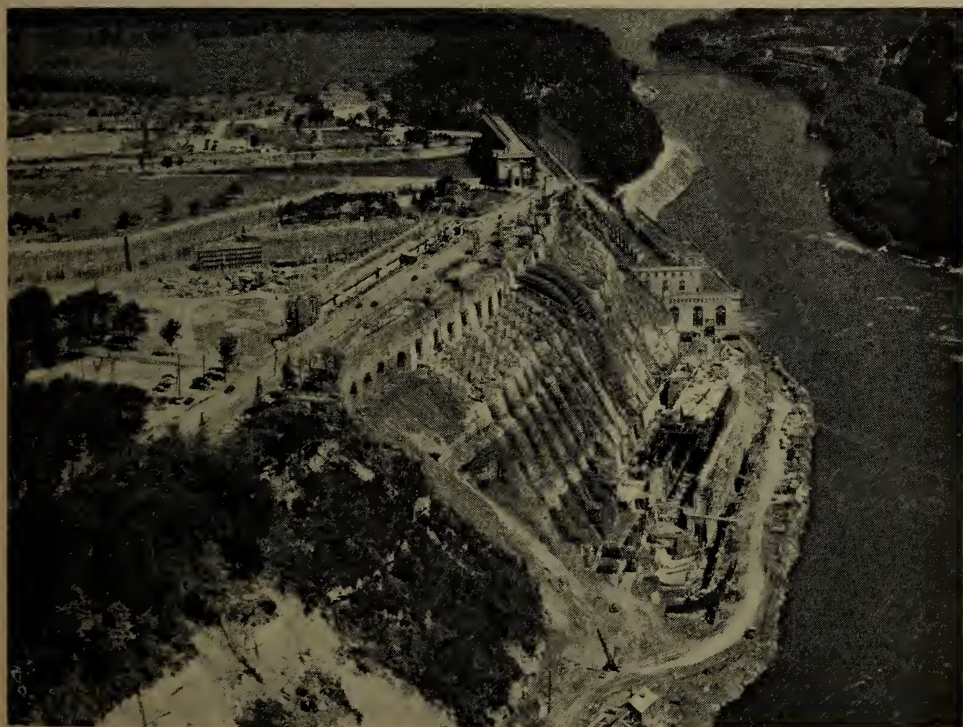
Further substantial savings were effected in the operations of the Commission's meter shop, in which 25-cycle meters are changed over for 60-cycle operation. During the year, 57,742 single-phase watt-hour meters, power meters, special meters, and relays were standardized at 60 cycles.

SECTION V

ENGINEERING AND CONSTRUCTION

WHILE engineering activity at Sir Adam Beck-Niagara Generating Station No. 2 continued to be of prime importance in the 1953 capital development program, undertakings of lesser but nevertheless significant importance were being developed or constructed elsewhere in the Province. At the same time, the frequency standardization program was reaching the point where it began to have an increasingly important bearing upon the engineering activity at generating stations in the Southern Ontario System and on their associated transformation and transmission facilities.

During 1953, the Commission undertook to extend the Sir Adam Beck-Niagara Generating Station No. 2 by the inclusion of a pumped-storage scheme.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Aerial view of the headworks, penstocks, and generating station, July 1953.

At the same time, the headworks were extended and the canal was widened to allow for the provision of four more units at the main generating station when they may be required. The ultimate development thus became a sixteen unit project with additional capacity available when the reservoir pumps are operated in reverse by flow from reservoir to forebay.

In July 1953, the Governments of the United States and Canada gave official approval to the recommendations made by the International Joint Commission for remedial works above the falls on the Niagara River. Under the terms of The Niagara Diversion Treaty signed by the two countries in 1950, the remedial works would serve to enhance the scenic beauty of the falls, and the two signatories undertook to share equally in the cost of their construction.

The Otto Holden Generating Station on the upper Ottawa River was completed in 1953 by the placing in service of the eighth unit. At Pine Portage Generating Station on the Nipigon River, construction was undertaken for the addition of the third and fourth units. Plans were prepared for the development of a new generating station at Manitou Falls on the English River.

Reference was made in the Forty-fifth Annual Report to the inter-relationship between the program of frequency standardization with the consequent changes in the 25-cycle and 60-cycle loads, and the program of capital development of new generation, transformation, and transmission facilities.

This inter-relationship was brought into greater prominence during 1953 as the necessity arose to standardize generating facilities from 25-cycle to 60-cycle frequency, and as construction at the 60-cycle Sir Adam Beck-Niagara Generating Station No. 2 approached the point where the first unit will be delivering power. At the Richard L. Hearn Generating Station, where the



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Intake gathering tube No. 1 looking down stream. The cofferdam is beyond the picture at the right.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Exterior of the downstream end of intake gathering tube No. 1, where the tapered openings between the vanes are narrowest



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Interior view of the intake gathering tube looking towards the narrow upstream end. At the control gate at the downstream end, the gathering tube reaches its maximum size and is 45 feet square.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The tunnels were excavated by the heading and bench method. The drills shown are spaced at fixed distances apart and probe only to the depth appropriate for the placing of the explosive charges.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Pouring concrete for the invert in Tunnel No. 1. Workmen are trowel finishing the surface.

fourth unit was placed in service during the year, one of the two units initially installed for 25-cycle operation but designed for 60-cycle operation with minor modification was changed to 60 cycles. At the J. Clark Keith Generating Station in Windsor, the third and fourth units were placed in service. At this station and near Sarnia, interconnections were established with The Detroit Edison Company for the interchange of 60-cycle power. At Chats Falls Generating Station, a fire occurred on March 2, causing extensive damage particularly to the No. 2 unit, and with the growing requirement for 60-cycle power, it was planned to rebuild this unit and three other units at this station for 60-cycle operation. Meanwhile progress was maintained in the planning and construction of transformation and transmission facilities to incorporate into the system all these sources of 60-cycle power.

On July 10, 1953, the Federal Power Commission of the United States announced its decision to grant a licence to the Power Authority of the State of New York to proceed with the United States part of the power development of the International Rapids Section of the St. Lawrence River. Ontario Hydro was prepared to proceed with construction but commencement of work was deferred pending the outcome of litigation in the United States courts with regard to this licence.

In the meantime, extensive surveys of the river, and investigations of foundations for both temporary and permanent structures were carried out. The Commission completed the construction at A. W. Manby Service Centre of three hydraulic models of those sections of the river extending between Prescott and the site of the generating station at Barnhart Island. These models, designed to follow the contours of the topography on a horizontal scale of 1:500 and a vertical scale of 1:100, will be used to reproduce the behaviour of



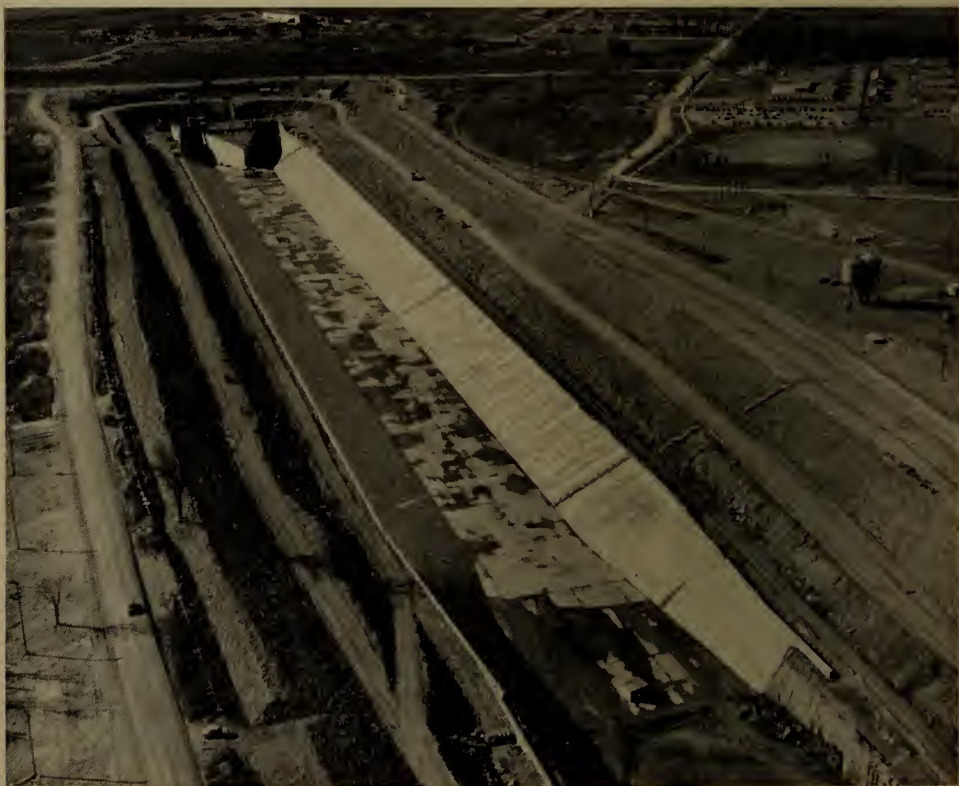
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Section of Tunnel No. 1 after concreting. In the foreground the invert laid, and above, the wall of the excavation and the steel support structure for the roof.

the river itself over a full range of flows. Like the Commission's model of the Niagara River, they will serve for the testing of various schemes of channel excavation and various designs and locations of structures. At the end of the year, verification of the models was proceeding with regard to water-levels and to the distribution and speed of flow.

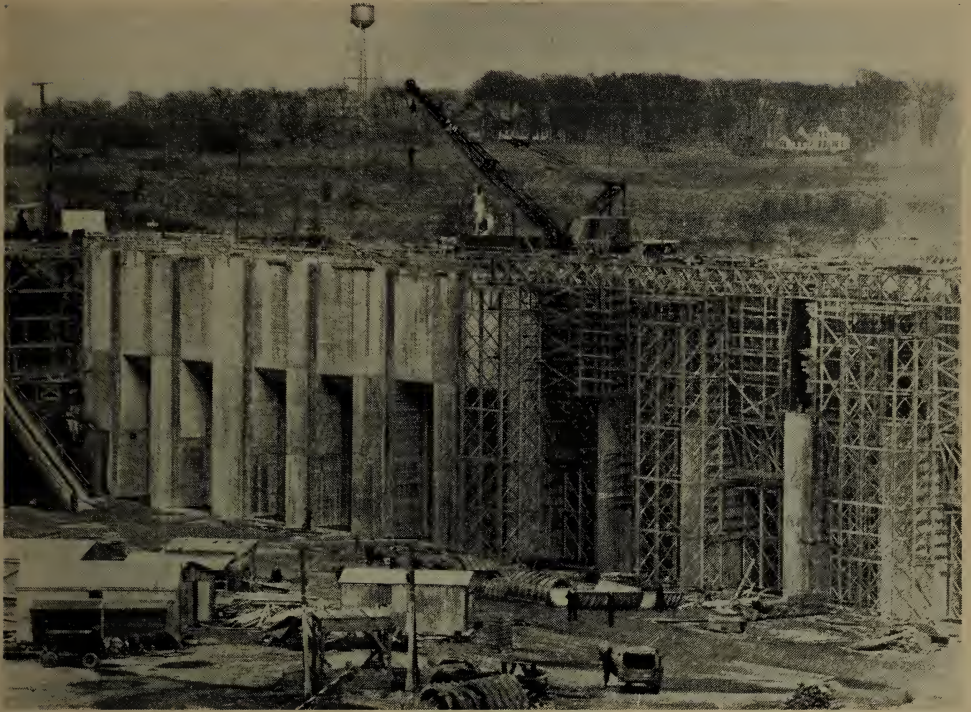
A review of the most important engineering and construction activities during the year is given for each of the systems in this section. Each major undertaking involving the construction of new generating facilities is briefly described, and a report is given on progress in the construction of transformation and transmission facilities.

System and Program Planning

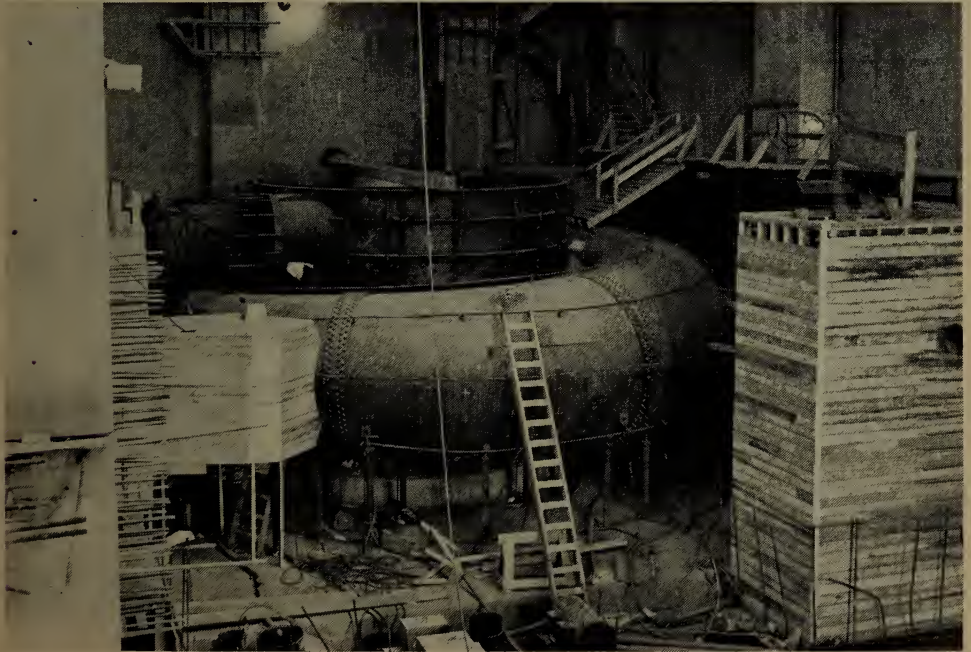
Planning activity was primarily concentrated on the necessity for increased transmission and transformation facilities to meet growing loads, and on the requirements of frequency standardization. The new Detweiler Transformer Station, named in honour of one of the pioneer promoters of Hydro, was placed in service in July. Plans were also completed for the construction of new 230-kv circuits required to transmit power from Sir Adam Beck-Niagara Generating Station No. 2, and for increases in step-down capacity at the E. V. Buchanan and A. W. Manby Transformer Stations.



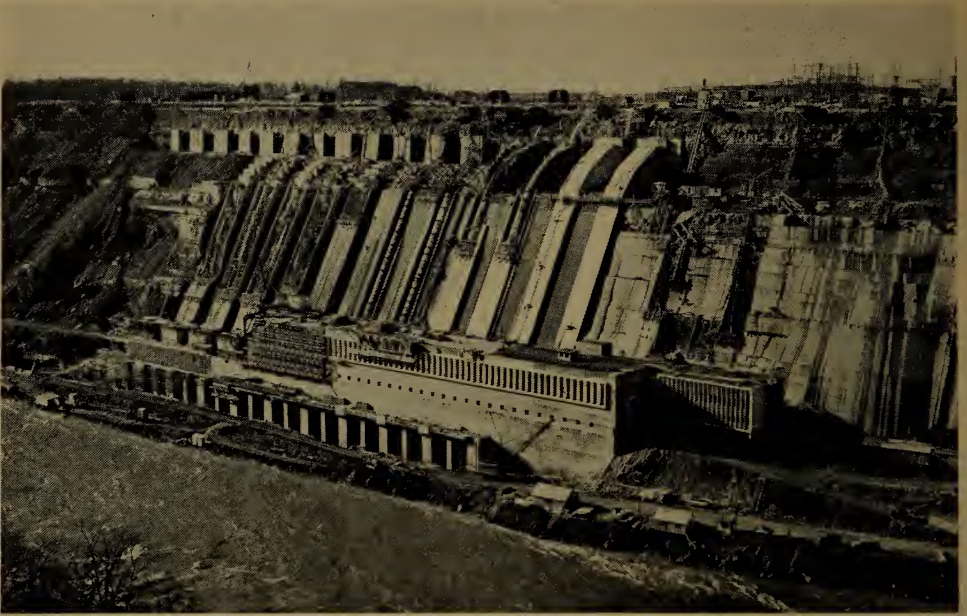
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Trapezoidal section of the canal looking towards the two tunnel exit portals. At this point, the canal was concreted since it crosses glacial debris filling a gorge which in prehistoric times was the course of the river.



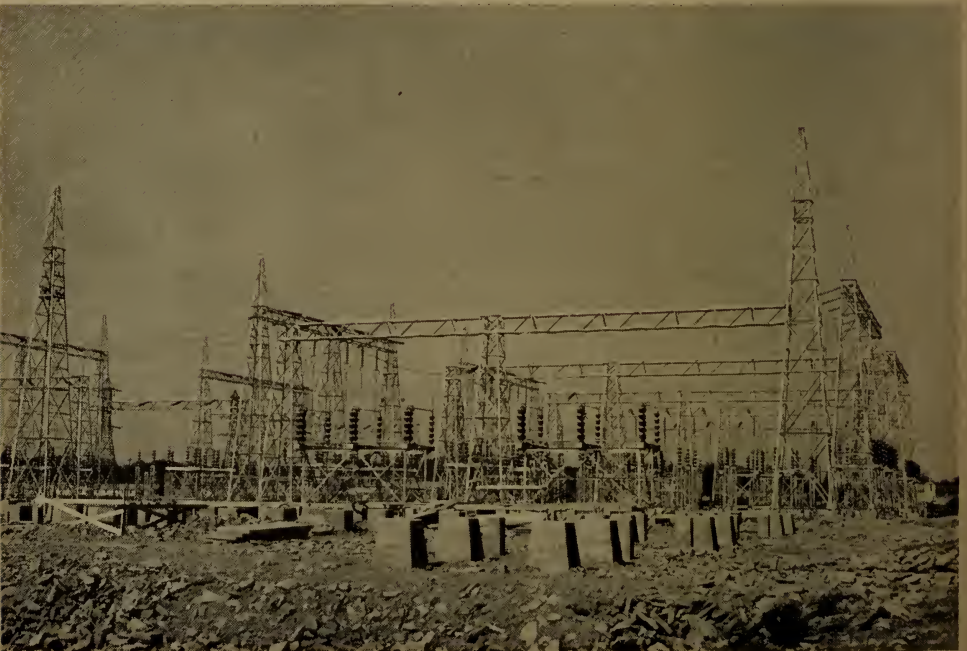
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Headworks structure. Each pair of openings in the concrete work shown at the left conveys water to the penstock supplying one unit.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Scroll-case for the turbine for Unit No. 1, prior to being embedded in concrete



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—General view of the generating station and penstock construction, December 1953. The installation of six penstocks was approaching completion and most of the excavation work both for the penstocks and for the generating station was finished.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—General view of the switchyard, located on an island between the canals which flow into the interconnecting forebays of Sir Adam Beck-Niagara Generating Stations No. 1 and No. 2

The interconnection which since 1950 has linked the Southern Ontario System with the Northeastern Division was originally established in order that anticipated deficits of power and energy in the Northeastern Division could be met by transfer from resources of the Southern Ontario System. In order to meet increasing deficits as the loads in the Northeastern Division continue to grow, plans were carried forward to strengthen the interconnection by the addition of a second 115-kv circuit linking Otto Holden Generating Station with Crystal Falls Generating Station, and the installation of a second 60,000-kva, 230—115-kv autotransformer bank at Mattawan Transformer Station adjacent to Otto Holden Generating Station.

In the Northwestern Division, developments which were the subject of extensive planning work included the provision for a new generating station on the English River at Manitou Falls, and for a new 115-kv transformer station between Port Arthur and Fort William to be known as Port Arthur-Birch Transformer Station. Plans were also made for the construction of additional 115-kv transmission from this new station to Moose Lake Transformer Station, and for the necessary alterations to facilities to accommodate the output of the third and fourth units at Pine Portage Generating Station.

In surveying the possibility for additional interconnections with neighbouring systems, the Commission, in conjunction with the Manitoba Hydro-Electric Board, studied the joint requirements of the Northwestern Division and the neighbouring areas of the Province of Manitoba.

SOUTHERN ONTARIO SYSTEM

Progress on Power Developments

SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER

<i>Location</i>	—Six miles down stream from the cataract, near Queenston, and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
<i>Ultimate Installed Capacity</i>	—1,370,000 kilowatts (900,000 kilowatts in 12 units in main generating station, 170,000 kilowatts in pumped-storage scheme, 300,000 kilowatts in four additional main generating units to be added as required), 60 cycles.
<i>Rated Head</i>	—292 feet.
<i>In-Service Schedule</i>	—Five units in 1954, six units in 1955, one unit in 1956, pumped storage in early 1957, and the remaining four units at the main generating station as required.
<i>Estimated Cost</i> (16 units and pumped storage)	—\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

During 1953, it was decided to amend the program of work to provide for the pumped-storage scheme and for four additional units in the main generating station. The project, thus amended, includes the initial installation of twelve units at the main generating station, the subsequent installation of six reversible pump-turbine units to transfer water to and from the reservoir storage, and the ultimate addition of the four other generating units as they may be required.



SIR ADAM BECK-NIAGARA GENERATING STATIONS No. 1 and No. 2—Aerial view of the two generating stations showing at the left the point of the canal cross-over. To the right of the interconnecting forebays and beyond the Queenston construction camp is the location of the pumped-storage reservoir.

The main features of the Niagara project include two intake structures; two hydraulic pressure tunnels, one 5.1 and the other 5.4 miles in length and each 45 feet in finished diameter; a canal $2\frac{1}{4}$ miles in length; a main generating station; and the pumped-storage scheme.

The pumped-storage scheme involves the construction of a reservoir immediately to the north of the canal and some 700 acres in extent, having a capacity of approximately 15,000 acre feet. At times of low demand, pumps will lift water into the reservoir to a level varying from 60 to 86 feet above the canal, and when operated in reverse will act as turbo-generators with an installed capacity of 170,000 kilowatts. At times of high demand the water flowing back through the pumps will permit fuller use to be made of all generating units in the Sir Adam Beck-Niagara Generating Stations, particularly when restrictions in the use of water under The Niagara Diversion Treaty would otherwise prevent operation of all generating facilities to capacity.

Acting upon the recommendations of the International Joint Commission and working in close liaison with the United States Army Corps of Engineers, Ontario Hydro began in 1953 the construction of the remedial works above the falls on the Canadian side of the Niagara River. They include a control dam at Grass Island Pool to control the water-level in the Chippawa-Grass Island Pool area, and require the excavation of channels and the filling in of the present extremities on both sides of the cataract. The purpose is to enhance the scenic beauty of the falls and reduce erosion at the centre by creating a more uniform flow over the 2,600-foot crestline of the cataract, and at the same time to contribute to the most effective use of water for power production.

Excellent progress was maintained on all features of the power development. Concrete work was 66 per cent complete at the intake, complete in the canal, and almost complete at the headworks. For tunnel No. 1 the concrete lining was finished throughout, and for tunnel No. 2 it was over 26 per cent completed by the end of the year. Meanwhile, installation of turbines and electrical equipment was proceeding at the generating station, with the prospect of the first unit being ready for operation in April 1954.

**Summary of Ontario Hydro's Power Development Program—1945-1957
As at December 31, 1953**

System and Development	In service	Dependable peak capacity kilowatts
SOUTHERN ONTARIO SYSTEM		
DeCew Falls (extension)—Niagara Region.....	Sept. 1947	57,000
Stewartville—Madawaska River.....	Sept. 1948	63,000
Additional power purchase contract—Polymer Corporation.....	Nov. 1948	22,000
Emergency fuel-electric units.....	Jan. 1949—Apr. 1950	47,000
Des Joachims—Ottawa River.....	July 1950—Feb. 1951	380,000
Chenault—Ottawa River.....	Nov. 1950—Sept. 1951	120,000
Richard L. Hearn—Toronto.....	Oct. 1951—June 1953	388,000*
J. Clark Keith—Windsor.....	Nov. 1951—Oct. 1953	264,000†
Otto Holden—Ottawa River.....	Jan. 1952—Apr. 1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River (12 units).....	1954—1956	900,000**
pumped-storage scheme.....	1957	170,000†
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River.....	July 1950	47,000
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River.....	June 1948	6,000
Aguasabon—Aguasabon River.....	Oct. 1948	44,000
Pine Portage—Nipigon River.....	July 1950—58,700 kw 1954—59,600 kw	118,300
Manitou Falls—English River.....	1956	42,100

* Installed capacity. When all four units are operating at 60 cycles, installed capacity will be 400,000 kilowatts.

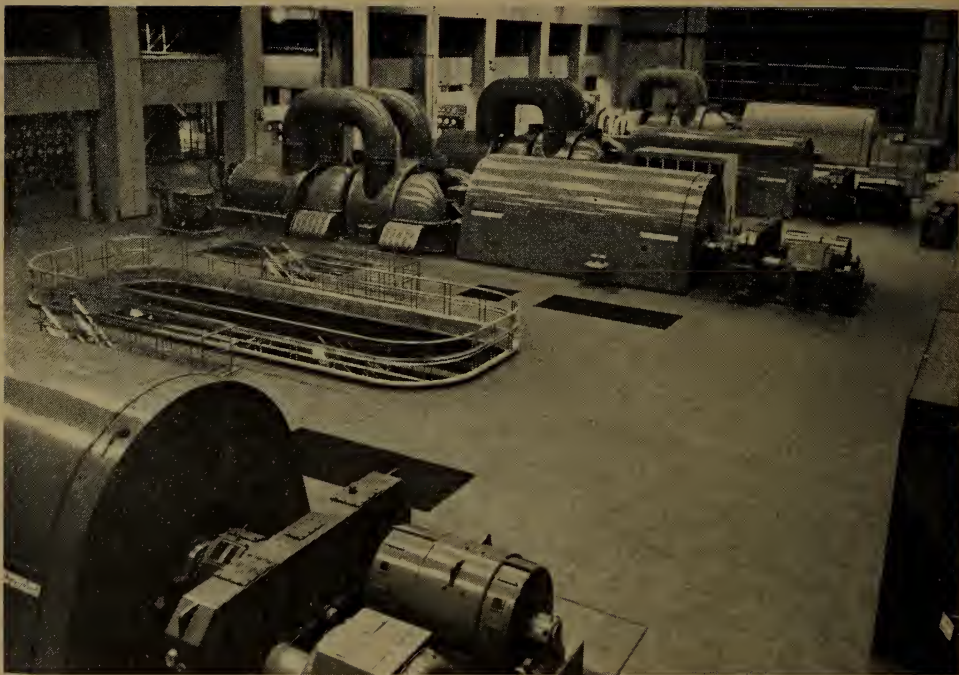
† Installed capacity.

** Installed capacity—Four more main generating units to be added as required. Ultimate capacity—1,200,000 kilowatts.

**Expenditures on Capital Construction
By Fiscal Years 1946-1953**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
* 1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
Total 1946-53.....	549,376	143,615	127,606	138,636	29,547	988,780

* 14-month fiscal period.



J. CLARK KEITH GENERATING STATION—The main operating floor of the generator-room showing the steam turbine generators

RICHARD L. HEARN GENERATING STATION (STEAM)—TORONTO

- Location* —The eastern area of Toronto's waterfront.
- Installed Capacity* —Units No. 1, 2, and 4 each 100,000 kilowatts at 60 cycles. Unit No. 3, 88,000 kilowatts at 25 cycles. Total installed capacity—400,000 kilowatts with all units operating at 60 cycles.
- In Service* —Unit No. 1, October 27, 1951; Unit No. 2, February 4, 1952; Unit No. 3, November 12, 1952; and Unit No. 4, June 10, 1953.
- Estimated Cost on Completion* —Fully incorporated into the system—\$56,500,000.

The placing in service of the fourth unit in June brought to completion a program of construction and expansion at this station. The capacity of the station was, however, further increased by the standardization of Unit No. 1 at 60 cycles.

J. CLARK KEITH GENERATING STATION (STEAM)—WINDSOR

- Location* —Detroit River, on the southern limits of the city of Windsor.
- Installed Capacity* —Four units, 264,000 kilowatts, 60 cycles.
- In Service* —Unit No. 1, April 1, 1952; Unit No. 2, November 8, 1951; Unit No. 3, April 12, 1953; and Unit No. 4, October 9, 1953.
- Cost at December 31, 1953* —\$43,700,000, including generation, step-up transformation, and high-voltage switching at the site.

The brickwork and roof of the extension to accommodate the third and fourth units were completed during the early months of the year and Unit No. 3 was placed in service in April. When Unit No. 4 went into service in October, the program for installations at this station was completed.

Transformer Stations and Transmission Lines

Details of the main transformation and transmission facilities constructed or under construction in 1953 are given in the following paragraphs. Supplementary information regarding mileage of transmission lines is given in tabular form in Appendix IV.

Interconnection with The Detroit Edison Company

Early in September, two interconnections were established for the interchange of 60-cycle power between the Commission's Southern Ontario System and the system of The Detroit Edison Company. One crosses the Detroit River between the J. Clark Keith Generating Station at Windsor and the Waterman Generating Station in Detroit; the other crosses the St. Clair River to link Sarnia Transformer Station and The Detroit Edison Company's Marysville Generating Station near Port Huron. The cables crossing the rivers are suspended in spans over 2,300 feet in length from 302-foot towers on either shore. They were strung from anchor towers and passed over the suspension towers on the Michigan side, then laid on the river-bottom, passed over the



INTERCONNECTION WITH THE DETROIT EDISON COMPANY AT WINDSOR

The river crossing seen from the United States side of the Detroit River with one of the 302-foot crossing towers in the foreground. The picture shows one power conductor already strung and preparations being made to string the two remaining power conductors.



INTERCONNECTION WITH THE DETROIT EDISON COMPANY AT SARNIA

The Detroit Edison Company's Marysville Generating Station seen from the Canadian side of the St. Clair River. The scow, which is carrying a power conductor across the river, is approaching the Canadian shore.

suspension towers on the Ontario side, and eventually pulled into position some 175 feet above the high-water level in an operation carefully planned and executed in co-ordination with navigation control by both United States and Canadian authorities.

Facilities to Distribute Power at 230 and 115 Kilovolts

At Detweiler Transformer Station, the first of two 115,000-kva, 230—115—13.2-kv autotransformers was placed in service in July, and the second in August. The south circuit of the line from Essa Transformer Station to E. V. Buchanan Transformer Station was brought into and out of Detweiler Transformer Station by about two miles of double-circuit, 230-kv line, which was placed in service in June. Two 15,000-kva, 115—26-kv transformers were placed in service in September to provide 60-cycle power to stations in the surrounding area.

In the Annual Report for 1952, reference was made to the planning of 230-kv switching stations in a pooled transmission network. One of these, the Richview Switching Station, is located about six miles north of A. W. Manby Transformer Station. Rerouting of high-voltage transmission lines to permit construction of Richview Switching Station was begun during the year and some 230-kv switching equipment was installed. The Richview Station will eventually provide interswitching between the 230-kv lines from Des Joachims Generating Station and the lower Ottawa River and the 230-kv lines extending in a southerly direction to A. W. Manby Transformer Station, and southwestward to Burlington Transformer Station, and from there to E. V. Buchanan Transformer Station and other points in southwestern Ontario.

The 230-kv transmission line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station, which was placed in service at 115 kv, 60 cycles in 1952, was changed to 230-kv, 60-cycle operation in January 1953.

At A. W. Manby Transformer Station, the third 115,000-kva, 230—115—13.2-kv autotransformer was placed in service in July. The synchronous condenser removed from Essex Condenser Station and being installed at A. W. Manby Transformer Station is expected to be in service in February 1954. Its capacity will be 48,000 kva at 60 cycles.

Approximately 130 route miles of 230-kv line which will eventually transmit power from Sir Adam Beck-Niagara Generating Station No. 2 were under construction in the Niagara and West Central Regions. These include sections from the generating station to Beaver Dams Junction, from that point to Allanburg and the site of the proposed Glanford Transformer Station, and from this site to both Horning Mountain Junction and Detweiler Transformer Station.

At Allanburg Transformer Station, the rearrangement of the 115-kv switching facilities required in anticipation of the power output of Sir Adam Beck-Niagara Generating Station No. 2 was completed in December. At Burlington Transformer Station, sixteen 115-kv oil circuit-breakers, with a rupturing capacity of 2,500,000 kva, were being replaced by air-blast circuit-breakers rated at 5,000,000 kva, and a 48,000-kva, 60-cycle synchronous condenser was being installed. At E. V. Buchanan Transformer Station, changes in 230-kv relays and in 115-kv switching were being carried out.



PREPARING TO SOUND THE ST. LAWRENCE RIVER

Unnavigable parts of the rapids were sounded by using kytoons or helicopters to suspend a sounding weight. Elevations of the river-bed were obtained by taking sights from land stations on a target secured at a known distance above the sounding weight. In the picture above, kytoons are being launched from the dock at a gauging station.

The last of four circuits carried on steel towers between Bloor Street Junction and Toronto-Leaside Transformer Station was placed in service in August.

Facilities to Supply 60-Cycle Power in Advance of Frequency Standardization

Increases in transformer capacity were made at several transformer stations to provide 60-cycle power for new and increased loads in the Western, West Central, Niagara, and Toronto Regions, and two new stations were planned for this purpose in the eastern area of Toronto. They are the Toronto-Basin and Toronto-Main Transformer Stations, each with an initial capacity of 40,000 kva. To permit the shifting of 25-cycle loads during the frequency standardization program in the Toronto area, an exchange of transformers was effected between Toronto-Esplanade and Toronto-John Transformer Stations, of which the net result was a decrease at the former and an increase at the latter of 40,000 kva of 115—13.2-kv transformation capacity.

NORTHERN ONTARIO PROPERTIES

In the Northern Ontario Properties two sources of additional power were being developed in 1953. The first, at the Pine Portage Generating Station on the Nipigon River, represents the completion of the original plans for a four-unit station. The second, at Manitou Falls on the English River, is a new development.



PINE PORTAGE GENERATING STATION—Part of the powerhouse at the left, and the penstocks for the two additional units now under construction

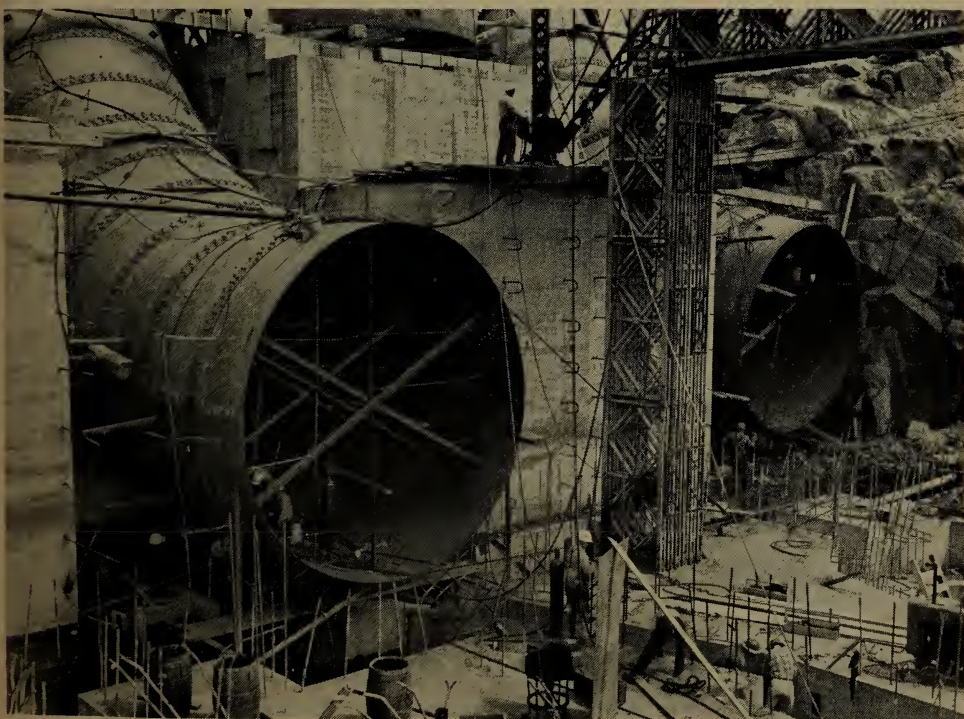
PINE PORTAGE GENERATING STATION—NIPIGON RIVER

- Location* —About 24 miles north of Nipigon.
- Dependable Peak Capacity* —Four units, 118,300 kilowatts, 60 cycles.
- In Service* —Unit No. 1, July 17, 1950; Unit No. 2, September 15, 1950.
- In-Service Schedule*—Unit No. 3 in September 1954 and Unit No. 4 in December 1954.
- Estimated Cost* —\$34,100,000, including generation, step-up transformation, and high-voltage switching at the site.

Shortly after construction on the third unit at Pine Portage Generating Station had begun, the decision was reached to add the fourth unit. By October, the penstocks for both units were completed and by the end of the year work was proceeding on the installation of the turbine and generator for the third unit.

MANITOU FALLS GENERATING STATION—ENGLISH RIVER

- Location* —Twenty miles down stream from Ear Falls.
- Dependable Peak Capacity* —Three units, 42,100 kilowatts, 60 cycles.
- In-Service Schedule*—1956.
- Estimated Cost* —\$17,000,000, including generation, step-up transformation, and high-voltage switching at the site.



PINE PORTAGE GENERATING STATION—A close-up view of the penstocks and powerhouse substructure for the two additional units. At this stage, riveting of the penstocks was almost completed.

Preliminary work was proceeding on the construction of a transmission line from Ear Falls, and of access roads to the site.

Transformer Stations and Transmission Lines

The Commission completed in 1953 the change of the distribution voltage in the Sudbury district from 22 kv to 44 kv. Two 115—44-kv transformers with capacities of 25,000 kva were installed at R. H. Martindale Transformer Station, one in March and one in May. They replaced the temporary 15,000-kva transformers previously installed. An 8,000-kva transformer was removed from this station and installed at Kapuskasing Transformer Station. Work was begun on the removal of two 25—60-cycle frequency-changers, each of 5,000-kva capacity, from Hanover Transformer Station for eventual installation at R. H. Martindale Transformer Station.

A second 8,000-kva, 115—44-kv transformer was installed at Dryden Transformer Station and the unit was placed in service in March. Construction was begun on 120 miles of 115-kv, single-circuit steel-tower line which will link Moose Lake Transformer Station with the new Port Arthur-Birch Transformer Station.

SECTION VI

RESEARCH AND TESTING ACTIVITIES

A LARGE number of research activities were initiated or continued during the year in connection with the engineering, operation, and maintenance of the Commission's systems, and many investigations were conducted to aid construction work, particularly that in progress at Sir Adam Beck-Niagara Generating Station No. 2. Several tests and studies in connection with operations were required as a result of the steady expansion of the Commission's facilities and the interconnections with adjoining systems.

From the wide range of research investigations, a few specific items have been selected for brief discussion in this section. For convenient reference they have been grouped under the headings, "Aids to Generation, Transmission, and Distribution," "New Construction and Structural Materials Investigations," "New Techniques and Their Applications," and "Miscellaneous Work."

AIDS TO GENERATION, TRANSMISSION, AND DISTRIBUTION

Voltage Regulators

Many special and complex tests were performed to assist in evaluating the effectiveness of automatic, generator-voltage regulators in maintaining voltages at the appropriate level. These regulators also increase system stability during transient disturbances and extend the safe operating range of generators and synchronous condensers. Recent improvements in regulators may make it possible to build more economical machines without lowering their standard of performance.

Fuel-Electric Station Studies

Assistance was provided at the time when the contractor was measuring the efficiency of a turbo-generator unit at Richard L. Hearn Generating Station. Instruments were calibrated for use during heat-rate tests by the contractor. The degree of accuracy required in pressure and vacuum gauges, mercurial barometers, and liquid flow-meters necessitated the construction of special pressure gauges and gas-handling apparatus. The induced-draft fan and duct system of the unit was tested to determine whether combustion would be aided by increasing the supply of air; measurements were made of the draft across the fan, the draft across the elbow of the duct leading to the fan, and of the discharge flow to the stack.

Operations Recorder

The basic features were developed for an operations recorder which will provide an automatically printed record of the operation of any equipment in a generating or transformer station. The record will show both the time and character of the operation and thereby supplement the operator's log. The recorder combines established computer techniques and telephone exchange equipment. It consists of a high-speed printer to be located in a control-room, and several cabinets of relays and electronic tubes that may be located elsewhere. The printing instrument can register up to seven operations a second; operations of greater frequency will be stored by electro-mechanical relays for subsequent printing. An operations recorder of this type is being constructed for installation at Sir Adam Beck-Niagara Generating Station No. 2.

Control-Room Lighting

The preparation of a full-size model of the control-room for Sir Adam Beck-Niagara Generating Station No. 2 made it possible to test the lighting proposed, and other features of control-room design. Designs for instrument lighting and for an illuminated line diagram of the principal station circuits were studied in addition to general room lighting.

Single-Pole Reclosing

In the past it has frequently been necessary to provide costly duplicate transmission circuits to ensure continuous flow of power during system disturbances though one circuit would suffice to carry the normal load. Within



CONTROL-ROOM LIGHTING

Full-size model used for control-room lighting studies. Tests were made to determine the best lighting arrangement for control panels, operators' desks, and general illumination.

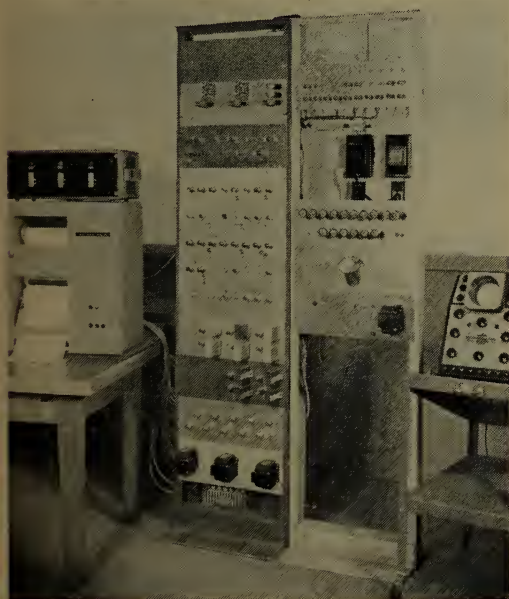
recent years the Commission has introduced a number of single-pole reclosing schemes which clear a fault on one phase while the sound phases continue to transmit power without interruption. Staged-fault tests were made on the relaying scheme associated with the single-pole reclosing installation for the line between Otto Holden and Des Joachims Generating Stations. The tests served to check the correctness of relay adjustments, to measure the minimum reclosing time, and to determine system performance under fault conditions.

Inductive Co-ordination

Telephone interference occasionally occurs if power lines carry harmonic currents of audio-frequencies in addition to the normal power frequency; these objectionable harmonics are sometimes produced by generators of earlier design. Harmonic filters were constructed to isolate these undesirable frequencies from the rest of the system. Series-tuned filters connected phase to phase at two small generating stations effectively reduced telephone interference in one area, and a filter designed to achieve the simultaneous rejection of two harmonics was installed at a distributing station in the Georgian Bay Region to eliminate interference from a long rural line. In the latter instance, interference with neighbouring telephone circuits was aggravated by high ground resistance in the area.

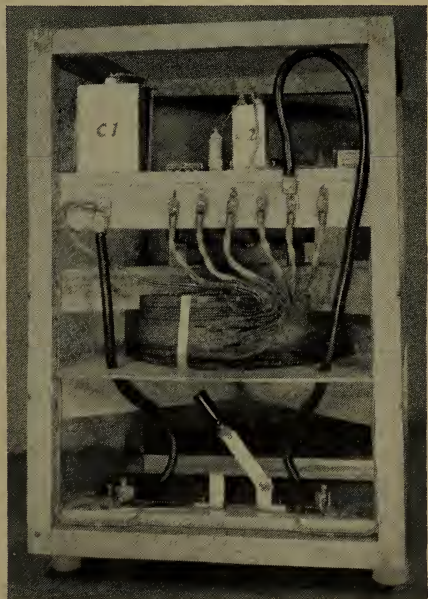
Voltage Fluctuation Due to Large Short-Duration Loads

The operation of large items of equipment such as electric-resistance welders and motors rated at over one hundred horsepower may cause serious voltage fluctuations. These in turn result in reduced performance by the



Left: OPERATIONS RECORDER

A prototype operations recorder undergoing tests. The printer may be seen on the left; the two racks on the right contain the electronic components necessary for its operation. Located on top of the printer is a cabinet containing three switches, which may be used to simulate actual operation of relay contacts in a generating station.



Right: REDUCTION OF HARMONIC INTERFERENCE

A typical harmonic filter constructed for reducing harmonic interference on rural telephone lines

equipment causing them, and adversely affect the performance of other items of equipment such as television transmitters and receivers, and fluorescent or incandescent lamps, which are sensitive to such voltage fluctuations. Several problems of this kind, most of them involving electric welders, were investigated and satisfactory solutions were devised.

Thermal-demand meters, as well as recording and special peak-load meters, were evaluated as to their ability to measure the system capacity which would be required to supply combined welder and general plant loads without objectionable voltage fluctuations. The tests contributed to the devising of a special rate structure which would provide a fair revenue from welder loads.

Distribution Transformer Insulation

A unique opportunity to test the ability of the insulation of distribution transformers to withstand the periodic surge voltages due to lightning was afforded when over a hundred used transformers of various makes, ages, and service records became available from the frequency standardization program. Impulse tests to destruction were undertaken through the use of a high-voltage artificial lightning generator. The data obtained revealed both a wide variation in ability to withstand these surges, and also the necessity to allow a significant margin for deterioration in normal service. These data should assist in establishing adequate Canadian standards for impulse loads to ensure uniformly satisfactory performance by transformers in the future.



ST. LAWRENCE RIVER HYDRAULIC MODEL

Water velocity in the Canadian Galop Rapids is measured in one of the three hydraulic models constructed by the Commission to reproduce the International Rapids Section of the river. The measuring equipment in use was specially designed for the purpose by Commission engineers.

NEW CONSTRUCTION AND STRUCTURAL MATERIALS INVESTIGATIONS

Research activity in connection with construction was primarily concerned with problems arising at Sir Adam Beck-Niagara Generating Station No. 2. In addition, several studies were initiated on problems pertaining to the St. Lawrence power project.

Soil Mechanics

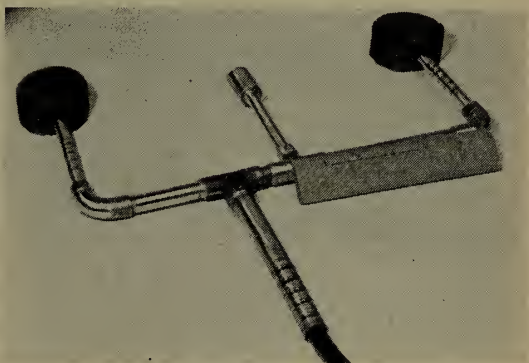
A scale model of the trapezoidal section in the power canal at Sir Adam Beck-Niagara Generating Station No. 2 was constructed to determine the effect of a sudden lowering of the water-level in the canal. Tests were undertaken to estimate the uplift pressure of entrapped water against the canal lining and to establish the required spacing of discharge ports to permit adequate drainage and the relief of excessive pressure. In connection with the pumped-storage reservoir at this project, extensive soil sampling and testing were carried out to locate suitable material for the earth facing on the rock-fill dyke, and to establish the soil cover required to ensure impermeability of the reservoir bottom and stability of the dyke foundation.

At the proposed St. Lawrence development, subsurface exploration was carried out along the dyke line between the generating station and the canal locks. Laboratory tests of the glacial till and marine clay were undertaken to determine their physical properties.

Tunnel Lining and Studies of Rock Movement

The adoption of a 24-hour cycle for the placing of concrete in the tunnels at Sir Adam Beck-Niagara Generating Station No. 2 made it necessary to remove forms after about twelve hours. A detailed study of the strength development of concrete mixes during the first twelve hours was therefore essential. Curing temperature during this period was found to be a more important factor than cement content in early strength development. On the other hand, the early strength development resulting from different cement contents was not necessarily a measure of their comparative strength at later stages. The conditions required to ensure adequate strength in the concrete at the time of form removal were established.

The properties of cement grouts were extensively studied, particularly with a view to their use for preventing the flow of subterranean water in gravel layers and rock formations, and for filling spaces behind the concrete lining of the tunnels. The use of both neat and sanded grouts, the effects of various mixtures, and the economics of using sands from alternative sources and pozzolanic fillers were all investigated. Significant data pertaining to strength, shrinkage, segregation, and costs of application were accumulated.

**STRESS MEASUREMENT**

Resistance-wire strain gauges mounted in containers for embedding in structures to obtain stress measurements. The cable connecting the gauges to a remote reading point passes through the tube (centre foreground).

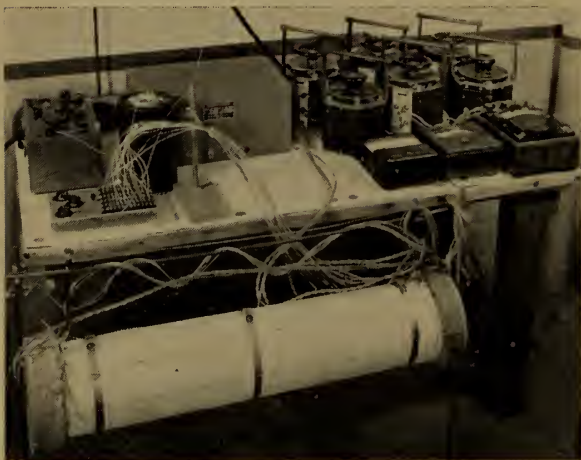
Much useful information on rock movement was obtained through measurements made during the excavation work for the intake, the tunnels, and the canal. At numerous locations in tunnel No. 1, measurements were taken of the stresses created at the inner surface of the concrete lining by pressure grouting of voids in the region of the lining and rock interface. The data obtained served to check assumptions which had been made and to indicate modifications in design which could be incorporated as construction proceeded.

Air-Bubble Protection Against Shock Wave

Laboratory and field investigations were made of the cushioning effect of air-bubbles on water-borne pressure waves preparatory to the blasting of the interconnecting channel between the forebays of the two Sir Adam Beck-Niagara Generating Stations. The tests showed that the air-curtain was very effective in reducing the force of the hydraulic shock wave, and the technique will be used both in the forebay and in the demolition of the cofferdam between the Niagara River and the new generating station.

Concrete Control

The production and stockpiling of concrete constituents, like the production, placement, and curing of the concrete itself, were subject to continuous inspection and control. At Sir Adam Beck-Niagara Generating Station No. 2, this work involved the inspection of 1,022,000 cubic yards of concrete, 668,000 tons of sand, and 1,323,000 tons of crushed stone. Extensive surveys were made in the search for suitable aggregates for use at the proposed St. Lawrence development and for use in rehabilitation work at other generating stations.



EFFECTIVENESS OF THERMAL INSULATION

Test assembly to determine the effectiveness of thermal insulation. Thermocouples are suitably located in the insulation, and measure the temperature at various sections in the insulating cover.

economically feasible. A test of fourteen covers manufactured indicated that a safety factor of at least five was provided.

A design was completed for a prestressed concrete pole suitable for carrying transmission line, and studies were made of the economics of production and erection of the pole.

Miscellaneous Materials

Plastic pipe, as compared with metal pipe, has three advantages—that it resists corrosion, is easy to repair, and costs less to install. Initial consideration

Prestressed Concrete

Further possible uses for prestressed concrete were investigated, and it was established that the mass production of prestressed cable-trench covers was

was given to its value either as a conveyor of insulating and lubricating oils, water, and gas, or as a replacement for steel pipe in cable installations. After exposure to various agents under simulated service conditions, different samples of plastic pipe were subjected to burst tests in the laboratory.

Materials used in masonry repointing, ranging from rich cement-sand mortars to mastic caulking compounds, were tested for their physical properties, and evaluated through field trials under closely comparable conditions. In another comprehensive study, the value of sprayed-on asbestos as thermal insulation and anti-condensation material was established. Moisture absorption characteristics were determined by testing samples under fixed temperature and humidity gradients; results of these and other observations indicated that moisture content is a dominant factor in performance.

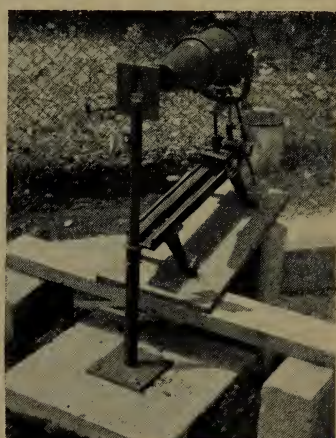
NEW TECHNIQUES AND THEIR APPLICATION

Corrosion Studies

Following the intensified study of corrosion in underground pipelines, a new cathodic protection method was devised. Conventional methods use magnesium anodes, or rectifiers having graphite rods, and were found to be ineffective when applied in proximity to station grounding-systems having low electrical resistance. The new method uses a series system of two heavy two-volt batteries in the leads from the cable pipe to the station grounds.

Photo-Elastic Apparatus for Stress Analysis

A photo-elastic laboratory was established for the experimental determination of stresses in models of structural components. Original designs were prepared for the major items of apparatus, and assembly of these items was completed. A 12-inch-diameter field, together with an appropriate loading frame, permits the examination of comparatively large models of complicated shape. Several photo-elastic analyses were conducted, including the study of typical problems such as the stresses in oil-storage tanks mounted on saddle-type supports, and the bearing capacity of concrete under base plates.



MEASUREMENT OF DEVIATION

Optical equipment in position to measure deviation from a straight line. The light source (right) is observed by means of a small eye-piece, through the narrow slits positioned on the posts, as shown. Deviation of the centre post, normally located on the object under study, can be detected to a high accuracy.

Alignment by Optical Means

A highly accurate method for measuring small deviations from a straight line was adapted for certain special uses. The method is based on a European invention and was originally intended for use over relatively short distances. By using careful techniques, the application of the method has been so extended that it is now possible to measure either a horizontal or vertical deviation of four-thousandths of an inch at the centre of an 800-foot span. It has been used on an experimental basis to measure the foundation movement of a large steam-electric generator.

MISCELLANEOUS WORK

Applications of Chemicals to Vegetation

Investigations were undertaken to improve efficiency in the use of chemical herbicides to control woody plant growth along transmission rights of way. The effect of adding synergistic chemicals to increase brush mortality was investigated. Appraisal was made of the effectiveness of herbicides for application to both deciduous and coniferous species during the dormant season, and a new method of controlling the resprouting of freshly-cut stumps was developed.

As a result of experiments using chemicals to retard the growth of lawn grass and to destroy aquatic vegetation in head-ponds and canals, it is expected that maintenance costs may be reduced. Following a four-year study, a non-poisonous chemical was recommended as a replacement for arsenic trioxide in soil sterilization. By the use of experimental plots, study was given on the one hand to the effectiveness of methods for promoting growth of vegetation through the application of commercial soil conditioners, and on the other hand to the possible use, as compost, of wood chips and other waste organic material from forestry operations.

Wood Pole Problems

In work related to wood-preservation methods and materials, fundamental studies of fungus resistance to toxic agents were conducted. A synthetic soil substrate was prepared as a standard for soil-block decay tests; treated stakes were exposed in outdoor test plots; and data obtained were correlated with the service records of wood poles.

Jack pine poles, having their butts soaked to saturation, were tested to determine the fibre stress that they will withstand. The study considered the effect of preservative treatments, peeling methods, typical defects, rate of growth, age, sapwood thickness, specific gravity, and moisture content. Correlation of laboratory and field data disclosed that strength varied greatly in poles from different habitats, but that it was not affected by the preservative treatment of the sapwood.

Rain-Water for Domestic Use

At certain locations it may be necessary to use rain-water for domestic purposes owing to the inadequacy of other water supply. Practical methods were developed for chlorinating, hardening, and filtering rain-water in order to counteract its corrosive effect on metals, as well as its unpalatability and possible harmful effect on health.

SECTION VII

PERSONNEL ADMINISTRATION

THE loyalty and efficiency of a well-trained staff are essential to the Commission in carrying out its responsibilities. In 1953, the staff demonstrated these attributes to a marked degree. The Commission, in turn, through its personnel policy and its relations with the employees' collective organizations, sought, as in the past, to maintain employment conditions at a high standard, whether from the point of view of the employer or the employee.

The continued expansion of the Commission's operations, to which reference is made throughout the Report, required an increase in total regular staff from 11,907 to 12,362, the increase in large part representing operators, tradesmen, and clerical workers to provide additional services. While aware of the necessity to provide adequate staff to meet the demands of increasing business, the Commission sought to avoid increases in the cost of expanding and improving these services by the introduction of mechanical methods and labour-saving devices designed for this purpose.



DEDICATION OF MEMORIAL PLAQUES

On Armistice Day, 1953, two memorial plaques bearing the names of Commission employees who gave their lives in the First and Second World Wars were unveiled at the Commission's Head Office in Toronto by Hon. Leslie M. Frost, Prime Minister of Ontario.

The total staff, both regular and temporary, numbered 19,406 at the end of 1953, an increase of 712 over the total at the end of 1952, and contractors reported at the end of the year 4,466 engaged on main Commission projects, principally on construction at Sir Adam Beck-Niagara Generating Station No. 2 and in frequency standardization.

Collective Bargaining

Four organizations bargaining on behalf of their respective groups of employees signed agreements with the Commission in 1953. They were the Employees' Association, the Federation of Employee-Professional Engineers, the Ontario Hydro Construction Allied Council, and the International Union of Operating Engineers, the last two being affiliated with the American Federation of Labour.

Of particular interest was the signing on October 9 of the agreement under which the Ontario Hydro Construction Allied Council became the representative of almost 9,000 construction workers engaged on Commission undertakings throughout the Province. Formerly there were two agreements with construction workers. One had been signed in 1951 with the Niagara Development Allied Council A.F. of L. which brought together seventeen international craft unions covering all trades on the Niagara project. The second agreement had been signed in 1952 with the same representatives of the same unions acting on behalf of construction employees working elsewhere as part of the field force of the Commission. Under the latter agreement the Ontario Hydro Construction Allied Council, representing a large group of Commission employees, became their bargaining agent on a province-wide basis. This arrangement has the special advantages that it facilitates movement of Commission staff and establishes uniformity of wage patterns and working conditions throughout the area of the Commission's operations. The agreement signed with the Ontario Hydro Construction Allied Council in 1953, by combining the two previous agreements, not only retains their inherent advantages, but has the added advantage of bringing under one contract all construction workers engaged on the Commission's capital construction program, the Council being free to negotiate separately regarding those larger Commission undertakings that may be designated as special projects.

The agreement signed on July 16 with the Employees' Association related to 10,200 operating, maintenance, clerical, and technical employees, and that signed on September 4 with the Federation of Employee-Professional Engineers related to approximately 900 professional engineers.

With the fourth major labour organization, the International Union of Operating Engineers, the final stages had been reached at the end of the year in the preparation of three separate agreements with local unions.

Four applications for union certification by groups of Commission employees were made to the Ontario Labour Relations Board during the year but all were dismissed. In rejecting the application of the International Brotherhood of Electrical Workers to represent operating and maintenance employees in the Niagara Region, the Board upheld the Commission's stand that the bargaining unit should be system-wide since a division of the system among different bargaining agents would create problems for the Commission, the employee, and the public.

Manpower Planning and Development

The Commission's manpower planning and development program, initiated in 1952, was developed and extended during 1953. The program was directed chiefly towards supervisory and executive levels with a view to making the most effective use of manpower resources at these levels. It involves four stages—the first two, organization analysis and manpower appraisal, forming the basis upon which the second two stages, the actual manpower planning and development, are established.

Good progress was achieved in the first two stages of the program which provide the basic information necessary so that the continuously changing needs of the organization can be met by persons adequately trained. These persons must achieve the required training through job rotation and instruction given during the normal performance of duties. As a supplement to the program in 1953, the common needs of certain groups were met during the year by special courses directed either towards supervisory development or trade training.

As a medium for supervisory development, courses on human relations were given in the Eastern, Northwestern, East Central, and Toronto Regions, and short courses in how to conduct group discussion were given to supervisors in the Operations, Construction, and Engineering Divisions in particular. A number of journeymen and sub-foremen with supervisory ability were given courses in instructional techniques at the Commission's Training Centre.

In the area of trade training, 410 linemen and foresters attended the Training Centre for advancement in their respective trades, and 116 young operators-in-training took the Commission's correspondence course in preparation for their work in the operation of generating and transformer stations. A more advanced program of training involved 425 operators of various classifications, while 88 employees took advantage of correspondence courses in a wide variety of subjects offered at reduced cost to Commission employees by various schools and institutions.

Another avenue of employee development was provided by the establishment of a Central Apprenticeship Committee and the devising of a plan to provide financial assistance to qualified apprentices attending trade schools. The Commission, recognizing the need for a sound apprenticeship program, has thus taken steps to encourage young men to take advantage of this type of training.

During the past year the Commission re-established a program of training for junior engineers. The forty engineering graduates who joined the staff during 1953 commenced a two-year program of job rotation, which includes training on various aspects of business administration. The program was designed to give each junior engineer some understanding of the Commission's operations as a whole and to ensure his ultimate placement in a position satisfactory to himself and the Commission.

Medical

The occupational hazards of the electrical industry place a more than ordinary importance upon the maintenance of physical and mental health of the staff. Recognizing its interest and responsibility in conserving manpower

resources as its most valuable asset, the Commission directed its program of medical activity both to the careful selection and allocation of personnel and to the maintenance of their health and continued effective service. The application of these principles contributes to the prevention of accidents; it makes easier the rehabilitation of those whose physical or emotional health may have been impaired. At the same time, through the continued study of industrial hazards from the medical point of view, the Commission has sought to minimize the effect of exposure to them.

Over 2,300 physical examinations were given. The large majority of these were pre-employment examinations. Nearly 400, however, were initial or follow-up checks on the health of regular employees as an important measure of their ability to carry or to increase their responsibilities without undue strain.

In December, the Commission completed a very satisfactory first year of operation under the extended medical and hospital benefit program, under which the Commission and the employee share the cost. The slight rise in cost of sick leave over the record low of 1952 could be largely attributed to the increased incidence of upper respiratory infection.

The hospital at Sir Adam Beck-Niagara Generating Station No. 2 admitted 967 patients and provided out-patient treatment on nearly 12,000 visits by employees of the Commission and its contractors. First-aid stations on the project treated 4,018 accident cases and 1,154 patients with various ailments. The operation of these medical facilities has been a major factor in keeping to a minimum lost time attributable to sickness or accident.



MOBILE TRAILER CAMP

This seven-trailer unit, equipped for housing and feeding 28 men, provides an alternative to the erection of temporary construction camps.

Safety and Accident Prevention

In order to achieve and maintain the widest possible co-operation in the prevention of accidents, the program of conference-type discussion on safety was continued in the Construction Division and in the Regions. Discussion methods were considered to be more effective than instruction alone in promoting safety because they are more likely to result in an observance of approved procedures based on understanding. Explicit training in the handling of mechanical and electrical equipment, and the periodic supervision of techniques are thus supplemented by discussions directed towards inducing in every individual a sense of responsibility in the prevention of accidents.

Various types of equipment were subjected to test to ascertain their value as safety devices.

The records of the Commission's accident experience, which prior to 1952 were maintained with relation to allowances for compensation, are now compiled in accordance with standard methods approved by the National Safety Council and the International Association of Industrial Accident Boards and Commissions. In comparison with 1952, a reduction both in frequency and severity of accidents to Commission employees was achieved in 1953. Of four fatal accidents involving members of the Commission's staff, two were of electrical origin. Six persons were successfully resuscitated, four of them being victims of accidents of electrical origin.

Employees have been instructed in both the Schaefer and the Holger-Neilsen methods of artificial respiration. The first has been successfully used in the Commission for 35 years; the second, widely used in Europe, has been more generally accepted in the last ten years. The Holger-Neilsen method makes inspiration an active rather than a passive operation on the part of the patient. It therefore circulates almost twice as much air to the lungs as the Schaefer method.



TRAILER CAMP EN ROUTE

The mobility of a trailer camp makes it particularly adaptable for work on transmission lines. Shown during a trial run, this camp was used during 1953 for transmission-line work in isolated parts of the Province.

Awards of the Canadian Electrical Association medal were made to D. F. Tupling, to the line crews of the Listowel and Mitchell areas, and to the electrical maintenance shop staff at Toronto-Bridgman Transformer Station. Jules Molliet received the National Safety Council President's medal. These awards were made in recognition of service in the rescue and resuscitation of fellow employees. The National Safety Council President's medal was presented also to Mrs. H. G. Hoff of Abitibi Canyon for her rescue of her two-year-old son from the Abitibi River. Certificates of the Council were awarded to the wives of two other Hydro employees for their part in assisting Mrs. Hoff.

SECTION VIII

MUNICIPAL ELECTRICAL SERVICE

SERVICE at retail was provided in 1953 by 332 municipal electrical utilities and by 33 local systems owned and operated by the Commission. The first part of this section relates to this retail activity as a whole. That part which is entitled "Municipal Electrical Accounts" is limited to the utilities in municipalities designated as Group 1 on page 32.

The statements of operations and the balance sheets showing the financial status of these utilities at December 31, 1953 are prepared from their books of account which are kept in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted with the Commission for a supply of power.

These books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods employed. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Supervision of this kind ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

The utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. In conformity with the Commission's policy of service at cost, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal services, it has been returned in the form of cash or credit to the municipality. The municipality is, on the other hand, required to liquidate any deficit that may accrue.

The tables which follow show for municipal utilities and local systems the trend over the past fifteen years in number of customers served, in energy consumption both total and average per customer, and in revenue both total and average per kilowatt-hour. In 1953 a total of 1,017,706 customers were served at retail through the utilities and local systems. There were increases over 1952 in the number of customers for all classes of service and increases in average consumption per customer for both domestic and commercial light service. Because of the wide disparity in the energy requirements of power service customers, the average consumption per customer has little significance. The growth in total consumption by these three classes of customer, taken in conjunction with increases in retail rates, brought about an increase in the revenue from \$87,717,262 in 1952 to \$106,733,746 in 1953.

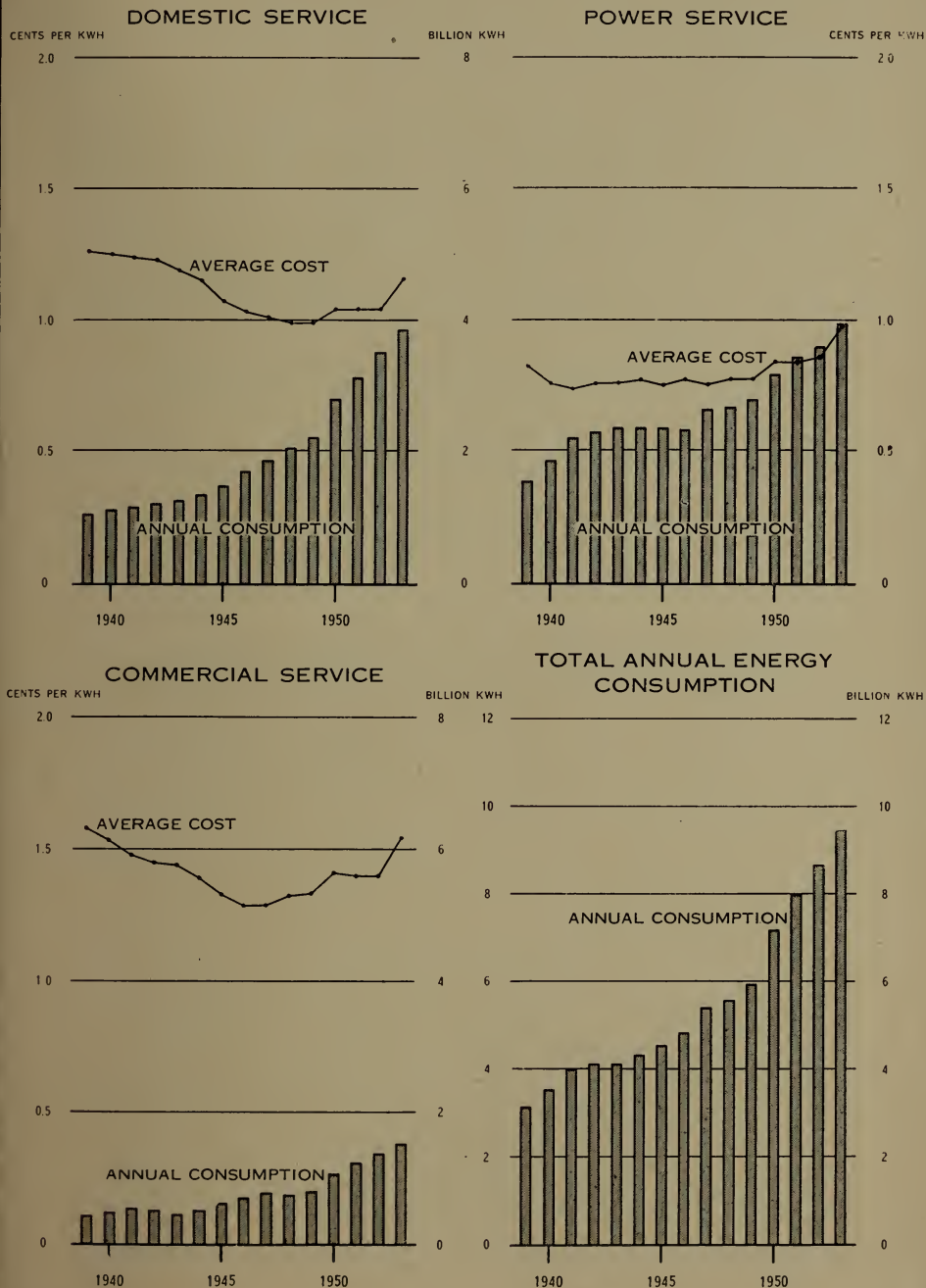
All three classes of service purchased more energy in 1953 than in 1952, commercial light service being up by 10.0 per cent, domestic service by 9.6 per cent, and power service by 9.1 per cent.

CONSUMPTION AND AVERAGE COST IN MUNICIPALITIES, GROUPS 1, 2, and 3
1939 to 1953

Service	Year	Total annual revenue	Total annual energy consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	cents
Domestic service.....	1939	13,300,898	1,056,310,109	518,123	170	1.259
	1940	13,905,290	1,115,888,837	531,514	175	1.246
	1941	14,452,796	1,169,273,964	546,613	178	1.236
	1942	15,022,931	1,224,195,712	559,605	182	1.227
	1943	15,069,547	1,266,930,625	570,470	185	1.189
	1944	15,528,445	1,348,099,019	579,890	194	1.152
	1945	16,053,818	1,494,258,124	608,905	205	1.074
	1946	17,526,854	1,704,125,246	628,118	226	1.028
	1947	18,937,674	1,870,974,898	648,282	240	1.012
	1948	20,295,932	2,032,922,876	671,914	252	0.998
	1949	21,947,915	2,224,473,480	706,294	262	0.987
	1950	29,064,176	2,805,149,825	767,286	304	1.036
	1951	32,905,664	3,165,537,195	800,033	330	1.039
	1952	36,811,115	3,526,507,079	836,802	351	1.044
	1953	44,647,668	3,863,977,405	877,323	367	1.155
Commercial light service.....	1939	7,256,262	459,635,100	78,949	485	1.579
	1940	7,785,024	508,986,422	79,512	533	1.530
	1941	7,991,091	540,995,581	79,824	565	1.477
	1942	7,695,928	531,680,336	77,326	573	1.447
	1943	6,787,241	472,129,977	76,194	516	1.438
	1944	7,298,848	524,905,356	78,256	559	1.391
	1945	8,429,573	634,878,480	84,413	627	1.328
	1946	9,364,009	725,475,237	89,109	679	1.291
	1947	10,277,574	797,642,711	91,926	723	1.288
	1948	10,182,051	769,650,340	95,239	673	1.323
	1949	10,890,639	819,475,244	98,682	692	1.329
	1950	15,231,494	1,080,316,296	107,817	832	1.410
	1951	17,549,402	1,254,339,597	111,154	940	1.399
	1952	19,502,920	1,394,152,087	115,304	1,008	1.399
	1953	23,603,194	1,532,910,239	119,498	1,069	1.540
Power service.....	1939	12,838,334	1,563,479,555	13,248	.....	0.821
	1940	14,298,503	1,860,661,038	13,492	.....	0.768
	1941	16,470,516	2,208,708,737	13,685	.....	0.746
	1942	17,501,866	2,293,797,547	13,721	.....	0.763
	1943	17,757,984	2,334,067,598	13,837	.....	0.761
	1944	18,375,443	2,374,869,860	13,860	.....	0.774
	1945	17,770,481	2,346,870,889	14,726	.....	0.757
	1946	17,981,265	2,329,774,691	15,529	.....	0.772
	1947	19,989,875	2,652,001,321	16,325	.....	0.754
	1948	20,742,344	2,687,513,708	16,886	.....	0.772
	1949	21,814,062	2,806,244,668	17,594	.....	0.777
	1950	26,966,954	3,193,783,939	18,788	.....	0.844
	1951	29,353,071	3,459,742,798	19,370	.....	0.848
	1952	31,403,227	3,619,518,306	20,055	.....	0.868
	1953	38,482,884	3,947,176,931	20,885	.....	0.975

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



MUNICIPAL ELECTRICAL ACCOUNTS

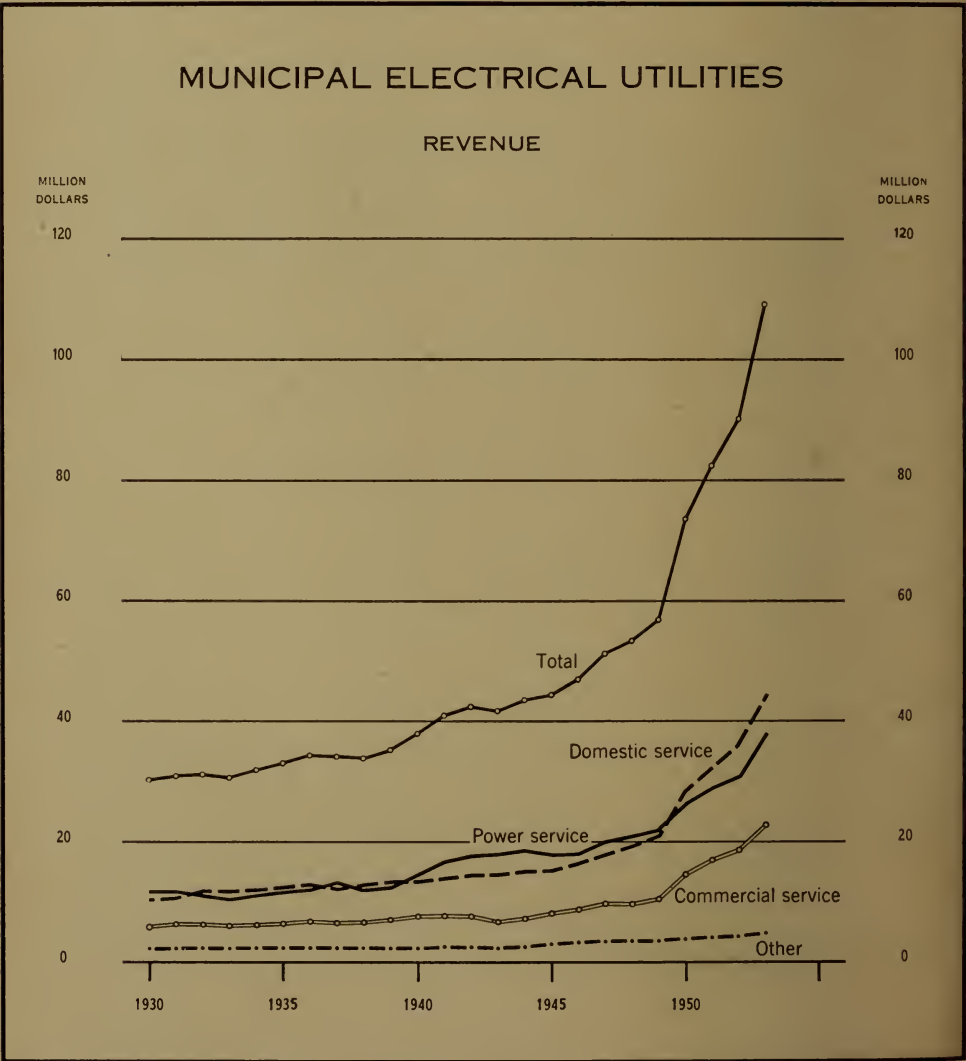
Operating Statements

Total revenue in the municipal electrical utilities for 1953 was higher than in 1952 by about 21 per cent and stood at \$109,254,321 as compared with \$90,059,039. Operating costs and fixed charges rose in approximately the same proportion from \$80,816,230 to \$97,361,655, leaving a net surplus of \$11,892,666. This exceeded the 1952 surplus of \$9,242,809 by \$2,649,857, or 29 per cent.

The net surplus in 1953 resulted from a surplus of revenue over expense amounting to \$11,912,756 in 327 utilities which were able to meet in full all operating expenses, interest, and debt retirement instalments and standard depreciation, and an offsetting deficit in 5 utilities amounting to \$20,090.

Sales Revenue and Expense

Of the total increase in expenses of the utilities, over four-fifths was for the cost of power purchased. This cost was 25 per cent greater than in 1952



and represented a somewhat larger part of total expense. Interest charges were 29 per cent higher than in 1952, reflecting the recent increases in debenture debt required to finance the extensive program of municipal system improvement and expansion. Increases in maintenance, operation, and administration expense, which are related to the substantial increases in plant assets, amounted to 8 per cent. There was also a 13 per cent increase in sinking fund payments and a 10 per cent increase in depreciation allowance.

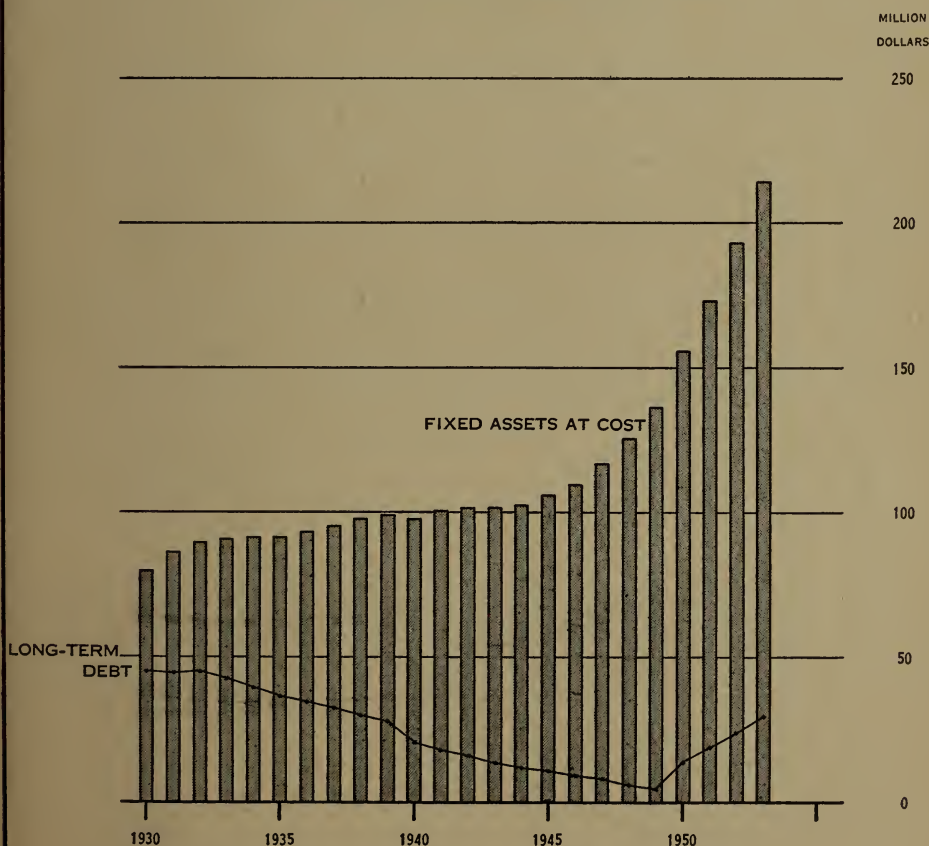
Balance Sheets

Assets

The gross investment in fixed assets of the utilities at December 31, 1953 amounted to \$214,595,383 against which there was an accumulated reserve for depreciation of \$54,282,571. Total net assets after deduction of this depreciation allowance amounted to \$336,613,672, of which \$140,068,857 represented the equity in the Commission's systems acquired by those utilities operating

MUNICIPAL ELECTRICAL UTILITIES

FIXED ASSETS AND LONG-TERM DEBT



under cost contracts with the Commission. This equity corresponds substantially with the sinking fund payments by municipalities of the Southern Ontario System and Northern Ontario Properties shown in the Commission's statements on pages 317 and 330. The total municipal equity shown differs, however, from that shown in the Commission's sinking fund statements since the latter includes the total annual sinking fund allowances to December 31, 1953. Owing to the early closing of their accounts, not all the municipal utilities are in a position to report sinking fund allowances as at the same date.

Liabilities

Total liabilities rose from \$36,297,274 at December 31, 1952 to \$42,994,940 at December 31, 1953, the major part of the increase being in the form of debenture debt which was increased by \$5,668,484 from \$24,159,239 at the end of 1952 to \$29,827,723 at the end of 1953. By comparison, the net increase in fixed assets during the year amounted to \$20,799,497. Thus the larger part of this increase in capital investment was provided out of reserves and surplus.

Description of Statements

Immediately following this section of the Report are four statistical tables, the first two dealing with financial aspects of the municipal electrical utilities and the others with rates, customers, revenue and consumption in the utilities and local systems. Statement "A" includes the individual balance sheets and Statement "B", the operating reports of 332 municipal electrical utilities. These include L'Orignal and Vankleek Hill, which were served under cost contract for the first time in 1953, and Kapuskasing, which was first served under a fixed-rate contract in 1953. A consolidation of each group of statements appears on pages 98 and 100 together with comparative summaries for each of the preceding seven years.

Statement "A"

The balance sheets of the utilities are given in alphabetical order under each of the Southern Ontario System and the Northern Ontario Properties. Plant values are given under the general headings specified in the standard accounting system. The asset designated as "Equity in H-E.P.C. systems" is acquired by the utilities through the payment of sinking fund as part of the cost of power and is shown in contra under "Reserves". "Surplus" includes both operating surplus and the amount of money applicable to the retirement of debenture debt, whether already used for that purpose or accumulated in a local sinking fund.

Statement "B"

The operating statements for the utilities are arranged in the same order as the balance sheets. They show itemized revenues and expenses, and the provision made for depreciation and other reserves. The number of customers served in each of three classes is also shown. The item "Power purchased" in this statement is the net amount paid by the utility after adjustments have been made by the Commission, taking into consideration the difference between the interim rate charged and the actual cost of the power supplied to the municipality. (See Cost of Power Statement.) Owing to the closing of their books before the actual cost of power is available, the utilities for the most part apply the adjustments of the previous year in the cost of power purchased.

Statements "C" and "D"

The rates for domestic, commercial, power, and flat-rate water-heater service are given in Statement "C" for all municipal utilities and local systems. Statement "C" formerly included the cost on a kilowatt basis for the supply of power to each cost-contract municipality, but this is now given in Appendix II as part of the Cost of Power Statement. Statement "D" gives revenue, number of customers, and energy consumption for domestic and for commercial service. For power service it gives revenue, number of customers, and average of the monthly loads billed. Like Statement "C", it includes both municipal utilities and local systems. These are listed alphabetically in three tabulations according to the populations of the municipalities with which they are associated. Population figures are based on assessed population as given in the Municipal Directory for 1953 published by the Department of Municipal Affairs of Ontario.

CONSOLIDATED

Year.....	1946	1947	1948
Number of municipalities included.....	304	304	308
ASSETS	\$	\$	\$
Lands and buildings.....	11,830,325.45	12,220,747.92	12,981,533.46
Substation equipment.....	26,778,943.63	28,430,102.81	29,626,621.36
Distribution system, overhead.....	27,810,938.64	29,230,801.09	31,541,077.08
Distribution system, underground.....	6,848,694.50	7,400,874.88	8,040,205.01
Line transformers.....	14,247,872.95	15,698,549.76	17,593,431.84
Meters.....	12,325,105.86	13,112,187.77	13,948,013.24
Street light equipment, regular.....	3,268,433.46	3,827,634.40	4,486,158.98
Street light equipment, ornamental.....	1,555,698.39	1,536,957.94	1,558,798.17
Miscellaneous construction expense.....	3,802,802.98	4,242,837.80	4,290,247.58
Steam or hydraulic plant.....	1,080,730.83	1,080,976.81	1,457,291.81
Old plant.....	658,421.95	587,479.45	573,313.04
Other capital assets.....			
Total plant.....	110,207,968.64	117,369,150.63	126,096,691.57
Less reserve for depreciation.....	38,253,203.71	40,146,511.52	41,962,273.09
	71,954,764.93	77,222,639.11	84,134,418.48
Bank and cash balance.....	3,584,075.84	2,759,333.88	3,480,104.26
Securities and investments.....	27,152,189.81	27,721,988.41	26,691,542.33
Accounts receivable.....	4,133,184.23	4,381,276.48	3,987,098.82
Inventories.....	2,193,231.80	3,140,379.57	3,814,953.93
Sinking fund on local debentures.....	4,609,214.16	4,387,586.13	1,795,295.61
Other assets.....	326,083.52	543,728.14	541,982.60
Frequency standardization expenditure in suspense.....			
Equity in H-E.P.C. systems.....	113,952,744.29 80,670,336.85	120,156,931.72 86,574,096.81	124,445,396.03 92,889,067.86
Total.....	194,623,081.14	206,731,028.53	217,334,463.89
LIABILITIES			
Debenture balance.....	9,049,583.60	7,947,290.14	5,297,137.36
Accounts payable.....	2,267,268.71	3,028,306.12	3,813,817.24
Bank overdraft.....	355,417.71	613,465.91	839,973.70
Other liabilities.....	2,636,251.52	2,642,971.05	2,841,344.30
Total liabilities.....	14,308,521.54	14,232,033.22	12,792,272.60
RESERVES			
For equity in H-E.P.C. systems.....	80,670,336.85	86,574,096.81	92,889,067.86
Other reserves.....	7,356,359.46	5,788,442.87	4,545,757.39
	88,026,696.31	92,362,539.68	97,434,825.25
SURPLUS			
Debentures paid.....	48,935,858.04	50,208,313.28	53,457,629.91
Local sinking fund.....	4,609,214.16	4,387,586.13	1,795,295.61
Operating surplus.....	38,742,791.09	45,540,556.22	51,854,440.52
Net frequency standardization expense charged this year.....			
Total surplus.....	92,287,863.29	100,136,455.63	107,107,366.04
Total.....	194,623,081.14	206,731,028.53	217,334,463.89

BALANCE SHEETS

1949	1950	1951	1952	1953
315	321	324	327	332
\$	\$	\$	\$	\$
13,759,701.81	16,659,377.57	18,575,200.20	21,331,827.33	22,706,963.32
32,405,939.81	36,684,736.84	41,489,688.84	44,818,917.42	48,121,739.89
34,325,936.81	39,435,443.26	43,521,167.44	48,936,112.16	55,442,089.15
8,663,874.53	9,880,526.08	10,554,818.60	11,985,221.93	13,274,963.44
19,267,220.87	22,639,038.94	25,596,437.39	29,683,581.03	34,262,322.67
15,050,359.45	16,857,378.24	18,239,365.71	19,850,925.86	21,699,619.07
4,847,993.56	5,271,825.19	5,927,660.80	6,772,165.42	7,616,470.28
1,564,378.72				
4,608,566.91	5,234,089.19	5,961,347.63	6,531,604.30	7,257,707.52
1,478,544.77	3,322,767.89	3,313,781.93	3,505,149.49	3,515,221.13
773,261.68	162,880.55	542,988.37	102,266.64	143,354.64
			278,114.00	554,931.51
136,745,778.92	156,148,063.75	173,722,456.91	193,795,885.58	214,595,382.62
43,893,598.38	46,310,558.56	48,087,416.88	50,985,328.59	54,282,571.38
92,852,180.54	109,837,505.19	125,635,040.03	142,810,556.99	160,312,811.24
2,654,186.08	2,807,734.27	3,276,778.98	4,667,729.07	4,884,136.41
24,109,961.67	19,706,944.56	16,291,592.69	11,542,720.01	10,716,658.76
4,878,682.68	6,922,076.43	7,727,032.69	7,386,627.75	10,298,699.00
4,229,137.22	5,114,209.37	7,514,369.31	8,001,402.81	7,527,843.57
569,497.99	592,491.22	613,435.37	388,409.83	410,806.10
1,089,348.62	917,535.55	787,656.78	795,718.70	813,036.10
155,744.87	767,592.91	848,580.09	1,093,950.06	1,580,824.00
130,538,739.67	146,666,089.50	162,694,485.94	176,687,115.22	196,544,815.18
100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37	140,068,856.95
230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59	336,613,672.13
4,545,744.63	14,069,133.05	18,889,520.06	24,159,238.87	29,827,723.36
5,666,357.71	5,906,614.43	7,653,317.92	8,918,225.06	9,503,994.65
943,682.84	1,470,416.79	2,085,158.47	1,456,977.43	1,439,040.43
2,984,132.94	1,489,028.47	1,612,914.06	1,762,832.81	2,224,181.11
14,139,918.12	22,935,192.74	30,240,910.51	36,297,274.17	42,994,939.55
100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37	140,068,856.95
4,673,978.72	4,314,186.14	5,628,316.81	8,008,751.79	8,153,000.71
104,725,641.70	112,789,186.33	123,897,487.77	136,664,687.16	148,221,857.66
55,525,205.90	56,534,877.64	59,434,311.73	60,260,350.13	61,417,714.38
569,497.99	592,491.22	613,435.37	388,409.83	410,806.10
55,638,367.30	62,522,124.72	67,511,314.72	72,374,287.61	83,934,775.30
8,228.36	232,782.96	733,803.20	641,958.31	366,420.86
111,724,842.83	119,416,710.62	126,825,258.62	132,381,089.26	145,396,874.92
230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59	336,613,672.13

CONSOLIDATED

Year.....	1946	1947	1948
Number of municipalities included.....	304	304	308
EARNINGS	\$	\$	\$
Domestic service.....	16,852,308.83	18,172,574.54	19,506,499.27
Commercial light service.....	8,979,037.16	9,819,043.11	9,766,500.29
Commercial power service.....	15,707,154.73	17,613,525.22	18,235,664.95
Municipal power.....	2,161,079.81	2,216,812.71	2,343,112.69
Street lighting.....	1,975,024.68	2,057,215.86	2,153,034.35
Merchandise.....	179,252.65	233,117.94	221,544.94
Miscellaneous.....	1,210,440.76	1,267,485.38	1,268,351.70
Total earnings.....	47,064,298.62	51,379,774.76	53,494,708.19
EXPENSES			
Power purchased.....	29,131,997.88	31,760,128.32	32,432,823.73
Substation operation.....	753,931.65	855,965.41	1,019,515.46
Substation maintenance.....	444,276.75	475,837.06	595,059.49
Distribution system, operation and maintenance.....	1,404,441.08	1,628,081.77	1,967,371.30
Line transformer maintenance.....	168,429.61	219,164.00	249,212.31
Meter maintenance.....	528,810.47	607,758.38	699,593.39
Consumers' premises expenses.....	699,773.37	822,675.89	1,005,146.07
Street lighting, operation and maintenance.....	493,443.23	547,556.40	602,995.88
Promotion of business.....	183,606.79	231,488.57	343,395.13
Billing and collecting.....	1,428,246.45	1,643,780.22	1,872,644.99
General office, salaries and expenses.....	1,319,972.30	1,521,688.93	1,814,028.57
Undistributed expense.....	831,176.06	840,075.97	803,047.22
Truck operation and maintenance.....	147,458.42	202,997.29	243,560.50
Interest.....	525,588.16	423,041.93	339,213.78
Sinking fund and principal payments on debentures.....	1,239,108.29	992,793.11	903,443.37
Depreciation.....	2,824,871.68	3,002,877.86	3,278,262.63
Other reserves.....	1,503,255.70	1,478,990.80	1,051,522.24
Total operating costs and fixed charges.....	43,628,387.89	47,254,901.91	49,220,836.06
Net surplus.....	3,435,910.73	4,124,872.85	4,273,872.13
NUMBER OF CUSTOMERS			
Domestic service.....	606,046	625,705	649,220
Commercial light service.....	85,400	87,937	91,382
Power service.....	15,115	15,867	16,439
Total.....	706,561	729,509	757,041

OPERATING REPORTS

1949	1950	1951	1952	1953
315	321	324	327	332
\$	\$	\$	\$	\$
21,137,834.75	28,066,402.91	31,977,317.76	35,719,556.00	43,344,584.75
10,444,393.84	14,690,733.78	17,033,595.94	18,883,646.21	22,810,062.53
19,178,070.91	23,873,159.20	26,172,943.55	27,969,600.46	34,353,328.93
2,475,539.80	2,907,974.03	3,011,056.35	3,120,077.38	3,807,113.85
2,219,551.02	2,552,755.74	2,769,300.03	3,051,561.67	3,681,919.79
216,734.17	216,549.51	100,096.18	95,209.20	106,439.08
1,231,076.24	1,215,956.41	1,247,371.11	1,219,388.54	1,150,872.57
56,903,200.73	73,523,531.58	82,311,680.92	90,059,039.46	109,254,321.50
36,225,068.75	46,400,040.72	50,854,323.41	55,583,500.98	69,750,629.67
1,126,138.22	1,441,553.66	1,648,120.74	1,812,532.71	1,965,232.59
626,041.76	679,136.10	758,392.52	867,073.89	981,867.28
2,110,892.72	2,682,034.57	3,070,534.44	3,422,084.98	3,664,900.97
279,383.13	335,739.15	423,156.46	523,767.55	618,888.59
751,382.32	762,974.01	849,951.63	973,728.31	1,104,514.16
1,061,668.85	1,243,611.94	1,430,859.05	1,546,966.93	1,533,655.23
688,584.31	705,830.91	755,502.07	845,581.99	902,681.79
282,618.04	277,190.88	319,888.95	331,117.86	371,878.60
2,077,074.94	2,382,607.11	2,776,376.16	3,088,533.47	3,361,825.39
1,961,727.80	2,162,662.43	2,487,764.68	2,893,011.38	3,192,357.30
833,337.54	1,331,333.41	1,699,441.87	1,333,142.85	1,310,174.19
269,151.54	302,310.53	240,376.40	249,081.16	222,900.25
305,084.60	497,138.36	675,630.04	989,788.76	1,276,681.71
842,182.95	980,917.96	849,300.82	991,597.62	1,123,786.30
3,631,483.76	4,076,473.95	4,717,496.55	5,293,508.78	5,832,594.43
634,690.02	1,769,378.03	87,225.06	71,211.41	147,082.99
53,706,511.25	68,030,933.72	73,644,340.85	80,816,230.63	97,361,655.44
3,196,689.48	5,492,597.86	8,667,340.07	9,242,808.83	11,892,666.06
684,417	745,422	778,517	811,233	850,904
94,881	104,122	107,416	111,169	114,855
17,184	18,372	18,947	19,573	20,385
796,482	867,916	904,880	941,975	986,144

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	12,732.49			64,347.75	
Substation equipment.....	1,958.36				4,583.94
Distribution system, overhead....	55,792.54	26,900.89	13,382.04	49,787.51	51,340.81
Distribution system, underground..					
Line transformers.....	35,558.22	22,415.87	7,274.94	32,567.66	25,259.67
Meters.....	21,725.47	10,640.77	5,049.75	16,659.78	20,796.69
Street light equipment, regular....	9,190.44	6,008.02	535.35	4,475.26	6,300.55
Miscellaneous construction expense	3,164.77	23.30	30.02	3,323.37	1,753.56
Steam or hydraulic plant.....					
Old plant.....					7,846.49
Other capital assets.....					
Total plant.....	140,122.29	65,988.85	26,272.10	171,161.33	117,881.71
Less reserve for depreciation.....	18,332.27	8,635.23	2,202.27	31,138.44	19,697.36
	121,790.02	57,353.62	24,069.83	140,022.89	98,184.35
Bank and cash balance.....	100.09	1,999.17	1,541.32	5,783.68	3,504.56
Securities and investments.....	2,000.00	2,500.00	2,500.00	13,000.00	22,000.00
Accounts receivable.....	3,386.73	2,112.83	829.00	4,297.20	1,998.03
Inventories.....	1,645.49			6,497.32	6,051.97
Sinking fund on local debentures..					
Other assets.....	114.78				6,063.97
Frequency standardization expenditure in suspense.....	611.47				
	129,648.58	63,965.62	28,940.15	169,601.09	137,802.88
Equity in H-E.P.C. systems.....	194,900.91	33,162.53	33,687.86	69,217.12	64,417.74
Total.....	324,549.49	97,128.15	62,628.01	238,818.21	202,220.62
LIABILITIES					
Debenture balance.....				14,727.93	
Accounts payable.....	148.20	228.56	4,570.34	10,689.91	0.45
Bank overdraft.....	2,430.89				
Other liabilities.....	2,617.77	1,625.00	110.00	2,373.10	1,822.46
Total liabilities.....	5,196.86	1,853.56	4,680.34	27,790.94	1,822.91
RESERVES					
For equity in H-E.P.C. systems....	194,900.91	33,162.53	33,687.86	69,217.12	64,417.74
Other reserves.....		67.23			100.00
	194,900.91	33,229.76	33,687.86	69,217.12	64,517.74
SURPLUS					
Debentures paid.....	14,500.00	8,072.65	6,883.38	39,571.30	37,736.04
Local sinking fund.....					
Operating surplus.....	109,951.72	53,972.18	17,376.43	102,238.85	98,143.93
Net frequency standardization expense charged this year.....					
Total surplus.....	124,451.72	62,044.83	24,259.81	141,810.15	135,879.97
Total.....	324,549.49	97,128.15	62,628.01	238,818.21	202,220.62

Utilities as at December 31, 1953

Almonte	Alvinston	Amherstburg	Ancaster Twp.	Apple Hill	Arkona	Arnprior
\$	\$	\$	\$	\$	\$	\$
11,276.44	1,926.04		354.71	169.06		8,241.00
24,831.90						
49,536.79	26,952.27	79,215.53	84,777.94	8,101.95	13,028.88	83,997.22
		688.03				
28,897.48	6,277.89	58,489.87	34,754.28	2,887.91	7,240.26	47,673.07
18,158.96	6,341.26	29,272.08	17,492.10	1,909.32	4,744.30	30,548.72
10,228.88	1,666.15	3,598.27	3,359.76	576.64	1,378.88	52,806.49
1,321.14	187.22	3,989.84	5,337.90	7.85	73.87	475.45
110,147.67						
3,848.25						
258,247.51	43,350.83	175,253.62	146,076.69	13,652.73	26,466.19	223,741.95
63,971.91	11,374.41	50,012.49	11,382.71	2,244.33	6,900.55	11,167.99
194,275.60	31,976.42	125,241.13	134,693.98	11,408.40	19,565.64	212,573.96
10,276.21	2,547.86	25.00		2,972.20	3,462.83	18,774.82
52,000.00	4,500.00	14,350.00		2,500.00	1,500.00	
3,611.48	329.42	4,386.16	745.10	171.17	86.30	1,073.95
7,092.87		11,092.42	70.20			10,118.29
		73.32	129.00			
		6,005.72	6.00			
267,256.16	39,353.70	161,173.75	135,644.28	17,051.77	24,614.77	242,541.02
13,598.16	33,660.23	149,292.75	49,930.32	7,611.98	16,154.45	61,482.18
280,854.32	73,013.93	310,466.50	185,574.60	24,663.75	40,769.22	304,023.20
5,684.83			34,707.16			25,000.00
2,878.54	224.00	16,345.12	25,189.60	30.28	696.61	13,858.62
		4,278.08	3,240.10			
799.30	61.00	1,261.12	388.32			3,913.73
9,362.67	285.00	21,884.32	63,525.18	30.28	696.61	42,772.35
13,598.16	33,660.23	149,292.75	49,930.32	7,611.98	16,154.45	61,482.18
1,740.27	59.50	78.94	125.40			2,237.75
15,338.43	33,719.73	149,371.69	50,055.72	7,611.98	16,154.45	63,719.93
66,315.17	23,529.24	32,053.60	19,403.12	5,080.12	13,112.83	55,469.13
189,838.05	15,479.96	117,684.65	52,590.58	11,941.37	10,805.33	142,061.79
		10,527.76				
256,153.22	39,009.20	139,210.49	71,993.70	17,021.49	23,918.16	197,530.92
280,854.32	73,013.93	310,466.50	185,574.60	24,663.75	40,769.22	304,023.20

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....			24,860.82	11,196.61	125.00
Substation equipment.....			1,711.20	5,125.60	
Distribution system, overhead....	27,222.83	20,464.91	61,614.32	57,337.47	16,336.43
Distribution system, underground..					
Line transformers.....	17,745.97	6,901.98	43,106.07	57,850.70	14,517.21
Meters.....	9,788.44	5,420.99	30,339.90	28,633.14	7,344.20
Street light equipment, regular....	2,666.14	3,907.13	14,316.03	13,141.56	1,189.78
Miscellaneous construction expense	1,123.85	872.51	11,340.90	5,579.30	100.71
Steam or hydraulic plant.....					
Old plant.....	1,086.62				
Other capital assets.....					
Total plant.....	59,633.85	37,567.52	187,289.24	178,864.38	39,613.33
Less reserve for depreciation.....	15,000.38	5,128.81	35,493.70	42,669.27	9,620.70
	44,633.47	32,438.71	151,795.54	136,195.11	29,992.63
Bank and cash balance.....	11,161.72	8,044.29	10,684.78	2,369.49	3,643.10
Securities and investments.....	4,000.00	19,000.00			14,000.00
Accounts receivable.....	136.49	1,894.97	1,097.51	2,816.85	3,539.25
Inventories.....			615.18	235.28	
Sinking fund on local debentures..					
Other assets.....				124.25	15.00
Frequency standardization expenditure in suspense.....					347.00
	59,931.68	61,377.97	164,193.01	141,740.98	51,536.98
Equity in H-E.P.C. systems.....	44,782.11	17,166.51	51,916.33	124,282.89	38,101.35
Total.....	104,713.79	78,544.48	216,109.34	266,023.87	89,638.33
LIABILITIES					
Debenture balance.....	922.68				
Accounts payable.....		984.18	8,816.21	932.89	2,260.96
Bank overdraft.....					
Other liabilities.....	447.80		1,747.41	1,824.66	69.64
Total liabilities.....	1,370.48	984.18	10,563.62	2,757.55	2,330.60
RESERVES					
For equity in H-E.P.C. systems....	44,782.11	17,166.51	51,916.33	124,282.89	38,101.35
Other reserves.....		206.06	51.80	181.60	
	44,782.11	17,372.57	51,968.13	124,464.49	38,101.35
SURPLUS					
Debentures paid.....	24,077.32	12,988.39		38,701.92	17,503.38
Local sinking fund.....					
Operating surplus.....	34,483.88	47,199.34	153,577.59	100,099.91	31,703.00
Net frequency standardization expense charged this year.....					
Total surplus.....	58,561.20	60,187.73	153,577.59	138,801.83	49,206.38
Total.....	104,713.79	78,544.48	216,109.34	266,023.87	89,638.33

Utilities as at December 31, 1953

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
\$	\$	\$	\$	\$	\$	\$
882.40		138,412.81			176.13	
15,986.83	24,493.95	187,398.52	18,911.20	14,102.90	35,136.25	31,053.25
8,116.10	12,759.90	66,582.89	9,991.82	5,974.00	11,539.73	19,831.43
6,434.49	9,039.13	135,445.29	5,493.66	2,964.38	6,456.57	12,817.55
830.96	2,559.40	112,220.39	1,625.32	1,412.17	1,011.10	5,316.77
314.80	775.75	18,632.17	167.85	24.00	800.31	
	108,417.83	500.00	2,500.00			
32,565.58	158,045.96		38,689.85	24,477.45	55,120.09	69,019.00
7,034.78	32,464.81	835,079.02	1,484.31	5,433.86	12,994.94	14,844.04
25,530.80	125,581.15	212,905.68	37,205.54	19,043.59	42,125.15	54,174.96
9,210.85	11,895.47	622,173.34	14,719.35	4,808.94		3,465.37
6,500.00			265.88	178.60	5,000.00	22,000.00
1,127.41	4,530.10	9,428.32			799.93	966.13
	2,200.03	14,973.75				
	309.00	143.54				1,260.00
4,856.93						317.00
47,225.99	144,515.75		52,190.77	24,031.13	47,925.08	82,183.46
76,081.08	2,368.31	646,718.95	1,358.21	6,840.40	101,605.85	29,314.11
123,307.07	146,884.06	429,220.03	53,548.98	30,871.53	149,530.93	111,497.57
		1,075,938.98				
	34,125.00		3,412.46			
16.11					4,850.54	13,569.71
		17,088.59			1,170.85	
	272.00	8,223.16	20.00	288.00		660.83
16.11	34,397.00		3,432.46	288.00	6,021.39	14,230.54
76,081.08	2,368.31	25,311.75	1,358.21	6,840.40	101,605.85	29,314.11
		500.00			25.92	
76,081.08	2,368.31	429,720.03	1,358.21	6,840.40	101,631.77	29,314.11
5,000.00	33,375.00		6,587.54	7,500.00	5,536.66	37,500.00
42,209.88	76,743.75	65,365.68	42,170.77	16,243.13	36,341.11	30,452.92
		555,541.52				
47,209.88	110,118.75		48,758.31	23,743.13	41,877.77	67,952.92
123,307.07	146,884.06	620,907.20	53,548.98	30,871.53	149,530.93	111,497.57
		1,075,938.98				

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville
ASSETS	\$	\$	\$	\$
Lands and buildings.....	299.50		3,241.50	46,209.57
Substation equipment.....				213,440.65
Distribution system, overhead.....	33,941.91	21,659.52	37,270.67	282,371.86
Distribution system, underground.....				
Line transformers.....	18,218.35	6,431.19	13,794.90	118,694.17
Meters.....	10,572.17	5,085.13	10,200.45	133,923.04
Street light equipment, regular.....	3,692.85	3,817.30	3,600.37	57,063.85
Miscellaneous construction expense..	150.10	203.59	2,471.55	22,832.23
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	66,874.88	37,196.73	70,579.44	874,535.37
Less reserve for depreciation.....	15,821.86	5,748.85	16,970.85	153,175.49
	51,053.02	31,447.88	53,608.59	721,359.88
Bank and cash balance.....		2,990.33	3,614.14	14,196.77
Securities and investments.....		1,000.00	2,000.00	125,000.00
Accounts receivable.....	51.49	90.30	337.25	29,442.20
Inventories.....	23.58			32,232.97
Sinking fund on local debentures.....				
Other assets.....	700.00			
Frequency standardization expenditure in suspense.....			3,407.24	
Equity in H-E.P.C. systems.....	51,828.09 48,023.17	35,528.51 34,007.53	62,967.22 30,261.50	922,231.82 555,150.36
Total.....	99,851.26	69,536.04	93,228.72	1,477,382.18
LIABILITIES				
Debenture balance.....			12,000.00	
Accounts payable.....	902.91	1,675.04	3,515.32	
Bank overdraft.....	25.20			
Other liabilities.....	445.46	175.00	540.00	23,088.99
Total liabilities.....	1,373.57	1,850.04	16,055.32	23,088.99
RESERVES				
For equity in H-E.P.C. systems.....	48,023.17	34,007.53	30,261.50	555,150.36
Other reserves.....	370.00	86.50	800.00	4,084.91
	48,393.17	34,094.03	31,061.50	559,235.27
SURPLUS				
Debentures paid.....	12,839.34	13,610.31	8,500.00	174,997.19
Local sinking fund.....				
Operating surplus.....	37,245.18	19,981.66	41,262.12	720,060.73
Net frequency standardization expense charged this year.....			3,650.22	
Total surplus.....	50,084.52	33,591.97	46,111.90	895,057.92
Total.....	99,851.26	69,536.04	93,228.72	1,477,382.18

Utilities as at December 31, 1953

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville
\$	\$	\$	\$	\$	\$	\$
14,874.79			740.00			62,225.01
1,264.64						155,138.04
76,908.05	12,823.32	18,360.35	37,437.95	23,242.76	15,595.57	118,571.69
46,758.86	4,600.95	12,365.39	15,188.76	18,349.16	9,823.45	36,572.85
26,531.00	5,351.07	5,964.56	13,608.84	8,925.95	5,772.08	40,688.29
9,349.49	3,437.51	1,579.68	7,785.65	1,173.76	4,764.50	20,373.55
72.27		337.92	846.18	14.92	41.91	6,767.96
			74,750.00			
175,759.10	26,212.85	38,607.90	150,357.38	51,706.55	35,997.51	440,337.39
24,426.19	12,459.57	6,328.27	42,921.78	8,876.36	9,976.83	103,353.76
151,332.91	13,753.28	32,279.63	107,435.60	42,830.19	26,020.68	336,983.63
25.00	5,731.31	1,043.97	7,222.06	1,028.04	2,302.35	6,379.66
	23,000.00	8,000.00	5,000.00		8,000.00	65,000.00
451.57	323.70	174.90	6,083.57	347.91	293.67	4,602.55
2,481.16			1,876.49	9.35		16,749.29
317.25		12.00		10.00		428.00
154,607.89	42,808.29	41,510.50	127,617.72	44,225.49	36,616.70	430,143.13
94,021.97	17,604.19	26,688.78	6,030.40	41,536.01	37,450.98	214,520.98
248,629.86	60,412.48	68,199.28	133,648.12	85,761.50	74,067.68	644,664.11
27,614.85			21,292.31			
204.06	1,259.79	172.24	2,131.15		2,603.64	413.57
264.57						
395.00	278.00	173.79	40.00	331.39	95.95	2,972.00
28,478.48	1,537.79	346.03	23,463.46	331.39	2,699.59	3,385.57
94,021.97	17,604.19	26,688.78	6,030.40	41,536.01	37,450.98	214,520.98
1,836.08				70.60		
95,858.05	17,604.19	26,688.78	6,030.40	41,606.61	37,450.98	214,520.98
16,385.15	9,796.58	16,032.52	68,707.69	12,500.00	5,534.19	71,000.00
107,908.18	31,473.92	27,405.56	35,446.57	31,323.50	28,382.92	355,757.56
		2,273.61				
124,293.33	41,270.50	41,164.47	104,154.26	43,823.50	33,917.11	426,757.56
248,629.86	60,412.48	68,199.28	133,648.12	85,761.50	74,067.68	644,664.11

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Bradford	Braeside	Brampton	Brantford
ASSETS	\$	\$	\$	\$
Lands and buildings.....	5,976.84		6,358.75	222,379.39
Substation equipment.....			118,915.63	414,057.57
Distribution system, overhead.....	56,484.07	9,239.41	140,820.26	619,843.61
Distribution system, underground.....				22,431.76
Line transformers.....	29,800.92	3,902.47	123,950.37	453,289.61
Meters.....	17,156.62	4,015.72	67,997.87	296,939.60
Street light equipment, regular.....	6,027.90	184.14	16,644.49	67,780.82
Miscellaneous construction expense..	4,380.73		3,937.25	66,217.85
Steam or hydraulic plant.....				
Old plant.....				6,000.00
Other capital assets.....				
Total plant.....	119,827.08	17,341.74	478,624.62	2,168,940.21
Less reserve for depreciation.....	15,803.78	431.96	105,752.59	597,110.85
	104,023.30	16,909.78	372,872.03	1,571,829.36
Bank and cash balance.....	17,010.49	1,760.30	2,712.36	3,492.49
Securities and investments.....	2,500.00		1,500.00	33,000.00
Accounts receivable.....	641.54	1,620.22	3,403.82	33,528.73
Inventories.....	7,687.86		11,974.24	80,096.62
Sinking fund on local debentures.....				
Other assets.....	128.00			18,970.87
Frequency standardization expenditure in suspense.....			445.74	32,448.19
	131,991.19	20,290.30	392,908.19	1,773,366.26
Equity in H-E.P.C. systems.....	48,328.26	5,132.17	422,768.48	2,361,019.01
Total.....	180,319.45	25,422.47	815,676.67	4,134,385.27
LIABILITIES		3,867.60		142,500.00
Debenture balance.....				
Accounts payable.....	49.33	1,316.15	36,799.17	18,923.24
Bank overdraft.....			4,477.40	63,802.64
Other liabilities.....	1,372.44	145.00	3,790.00	35,967.49
Total liabilities.....	1,421.77	5,328.75	45,066.57	261,193.37
RESERVES				
For equity in H-E.P.C. systems.....	48,328.26	5,132.17	422,768.48	2,361,019.01
Other reserves.....			592.39	6,625.90
	48,328.26	5,132.17	423,360.87	2,367,644.91
SURPLUS				
Debentures paid.....	23,351.06	2,132.40	69,050.64	537,500.00
Local sinking fund.....				
Operating surplus.....	107,218.36	12,829.15	278,198.59	968,046.99
Net frequency standardization expense charged this year.....				
Total surplus.....	130,569.42	14,961.55	347,249.23	1,505,546.99
Total.....	180,319.45	25,422.47	815,676.67	4,134,385.27

Utilities as at December 31, 1953

Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville	Bronte
\$	\$	\$	\$	\$	\$	\$
5,999.88			1,482.03	600.00	70,673.24	
96,195.55					113,307.44	
256,213.02	1,920.89	24,561.50	13,577.63	41,826.07	129,074.11	44,146.05
123,968.78	2,389.12	11,856.69	5,602.07	17,517.81	108,517.39	16,293.04
84,357.50	1,585.85	8,069.02	5,555.81	13,825.57	83,335.43	11,155.51
18,408.59	197.38	4,729.02	509.23	2,222.59	53,213.62	2,226.00
14,327.64		101.42	92.06	1,409.47	8,090.87	650.11
					74,651.36	
599,470.96	6,093.24	49,317.65	26,818.83	77,401.51	640,863.46	74,470.71
103,879.64	1,467.47	13,910.13	7,284.66	10,190.97	164,341.17	9,718.15
495,591.32	4,625.77	35,407.52	19,534.17	67,210.54	476,522.29	64,752.56
33,494.30	3,015.34	2,344.24	5,017.47	5,632.17	43,807.80	753.18
25,000.00	10,000.00		5,500.00	10,000.00	12,000.00	
2,529.92	36.80	668.10	127.76	424.48	17,570.64	1,045.22
17,348.41				4,410.60	6,729.43	3,443.25
539.72					2,664.28	610.11
2,235.00		339.52				
576,738.67	17,677.91	38,759.38	30,179.40	87,677.79	559,294.44	70,604.32
138,128.74	15,462.41	20,629.91	26,547.97	39,519.82	507,391.32	1,424.57
714,867.41	33,140.32	59,389.29	56,727.37	127,197.61	1,066,685.76	72,028.89
184,355.60						
1,047.05	6.22	660.63			1,945.30	20,207.06
3,316.61	55.00	325.00	65.00	1,162.39	8,308.19	560.95
188,719.26	61.22	985.63	65.00	1,162.39	10,253.49	20,768.01
138,128.74	15,462.41	20,629.91	26,547.97	39,519.82	507,391.32	1,424.57
1,537.53	3.93		97.24		2,532.89	176.55
139,666.27	15,466.34	20,629.91	26,645.21	39,519.82	509,924.21	1,601.12
102,770.06	2,664.00	12,368.03	8,000.00	25,000.00	174,869.92	
283,711.82	14,948.76	25,405.72	22,017.16	61,515.40	371,638.14	49,659.76
386,481.88	17,612.76	37,773.75	30,017.16	86,515.40	546,508.06	49,659.76
714,867.41	33,140.32	59,389.29	56,727.37	127,197.61	1,066,685.76	72,028.89

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Brussels	Burford	Burgess- ville	Burks Falls
ASSETS	\$	\$	\$	\$
Lands and buildings.....		802.00		
Substation equipment.....				
Distribution system, overhead.....	26,705.27	19,303.70	6,494.11	32,026.36
Distribution system, underground.....				
Line transformers.....	12,560.01	12,327.14	5,769.00	14,781.48
Meters.....	7,421.45	8,400.68	1,752.04	4,621.64
Street light equipment, regular.....	1,948.36	1,673.53	269.02	3,253.97
Miscellaneous construction expense..	118.35	251.97	15.00	1,080.06
Steam or hydraulic plant.....				
Old plant.....				5,478.48
Other capital assets.....				
Total plant.....	48,753.44	42,759.02	14,299.17	61,841.99
Less reserve for depreciation.....	2,527.16	10,220.56	5,315.93	4,972.14
	46,226.28	32,538.46	8,983.24	56,869.85
Bank and cash balance.....	3,042.70	452.20	2,149.92	1,018.29
Securities and investments.....		4,000.00	2,800.00	
Accounts receivable.....	300.57	737.34	49.19	167.87
Inventories.....		306.01	60.00	11.25
Sinking fund on local debentures.....				
Other assets.....	14.00	124.66	25.00	
Frequency standardization expendi- ture in suspense.....				
	49,583.55	38,158.67	14,067.35	58,067.26
Equity in H-E.P.C. systems.....	33,785.33	36,075.87	12,779.52	1,858.26
Total.....	83,368.88	74,234.54	26,846.87	59,925.52
LIABILITIES				
Debenture balance.....				27,354.61
Accounts payable.....	326.91	302.60		2,572.73
Bank overdraft.....				
Other liabilities.....	104.55	126.30	5.00	97.50
Total liabilities.....	431.46	428.90	5.00	30,024.84
RESERVES				
For equity in H-E.P.C. systems.....	33,785.33	36,075.87	12,779.52	1,858.26
Other reserves.....				50.00
	33,785.33	36,075.87	12,779.52	1,908.26
SURPLUS				
Debentures paid.....	21,000.00	9,000.00	3,500.00	7,645.39
Local sinking fund.....				
Operating surplus.....	30,421.65	28,729.77	10,562.35	20,347.03
Net frequency standardization ex- pense charged this year.....	2,269.56			
Total surplus.....	49,152.09	37,729.77	14,062.35	27,992.42
Total.....	83,368.88	74,234.54	26,846.87	59,925.52

Utilities as at December 31, 1953

Burlington	Caledonia	Campbell- ville	Cannington	Cardinal	Carleton Place	Casselman
\$	\$	\$	\$	\$	\$	\$
24,268.93	810.04				13,390.32	
					16,415.55	
194,500.02	35,202.53	4,418.90	20,546.12	21,425.37	66,341.97	42,756.77
96,495.82	24,534.67	3,455.44	12,227.18	11,629.35	28,913.14	9,013.52
54,727.65	14,417.34	1,428.10	8,623.02	7,722.43	31,579.02	7,263.89
12,730.87	4,840.24	823.04	4,317.84	1,312.08	8,478.17	2,710.01
17,604.17	2,823.60	94.50		38.68	3,888.80	5,553.49
400,327.46	82,628.42	10,219.98	45,714.16	42,127.91	169,006.97	67,297.68
30,909.62	12,643.77	3,073.16	13,124.63	5,070.42	32,899.82	1,235.00
369,417.84	69,984.65	7,146.82	32,589.53	37,057.49	136,107.15	66,062.68
60,851.82	6,864.74	816.17	1,597.19	3,306.14		4,791.75
2,600.00	200.00	3,600.00	7,500.00	1,500.00	39,500.00	
1,454.10	942.84	13.55	183.76	357.62	3,655.68	3,587.73
18,115.03	4,218.36		332.78		6,005.97	
139.60	50.00					
426.00		43.00				
453,004.39	82,260.59	11,619.54	42,203.26	42,221.25	185,268.80	74,442.16
53,207.54	56,362.58	7,547.27	36,912.60	23,906.23	201,208.55	5.41
506,211.93	138,623.17	19,166.81	79,115.86	66,127.48	386,477.35	74,447.57
170,484.84	8,500.00					67,500.00
2,312.45	103.58	36.56	672.37	147.00	422.44	1,203.59
11,180.67	625.69		35.00		1,830.42	
					2,186.06	
183,977.96	9,229.27	36.56	707.37	147.00	4,438.92	68,703.59
53,207.54	56,362.58	7,547.27	36,912.60	23,906.23	201,208.55	5.41
	366.69		61.45		669.94	
53,207.54	56,729.27	7,547.27	36,974.05	23,906.23	201,878.49	5.41
90,015.16	7,124.00	5,447.77	14,532.42	11,014.20	58,116.83	2,500.00
179,011.27	65,540.63	6,135.21	26,902.02	31,060.05	122,043.11	3,238.57
269,026.43	72,664.63	11,582.98	41,434.44	42,074.25	180,159.94	5,738.57
506,211.93	138,623.17	19,166.81	79,115.86	66,127.48	386,477.35	74,447.57

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Cayuga	Chatham	Chatsworth	Chesley
ASSETS	\$	\$	\$	\$
Lands and buildings.....		390,670.03	364.89	6,000.00
Substation equipment.....		282,021.58		
Distribution system, overhead.....	34,795.56	365,072.01	7,439.85	41,875.83
Distribution system, underground.....		207,414.52		
Line transformers.....	13,551.50	221,640.05	4,738.88	20,870.23
Meters.....	7,927.74	152,311.22	3,628.99	14,891.85
Street light equipment, regular.....	2,720.36	101,862.72	4,075.18	6,485.56
Miscellaneous construction expense..	928.01	71,644.65	20.86	1,046.03
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	59,923.17	1,792,636.78	20,268.65	91,169.50
Less reserve for depreciation.....	8,220.88	380,236.07	4,884.85	21,774.16
	51,702.29	1,412,400.71	15,383.80	69,395.34
Bank and cash balance.....	1,159.62	50.00	4,630.76	1,354.33
Securities and investments.....	20,200.00	50,000.00	1,000.00	6,000.00
Accounts receivable.....	365.93	116,751.17	112.64	297.63
Inventories.....	288.66	59,089.68		790.59
Sinking fund on local debentures.....				
Other assets.....	59.00	470.32		
Frequency standardization expenditure in suspense.....		148.00		
	73,775.50	1,638,909.88	21,127.20	77,837.89
Equity in H-E.P.C. systems.....	25,940.33	1,001,696.62	12,802.23	88,207.12
Total.....	99,715.83	2,640,606.50	33,929.43	166,045.01
LIABILITIES				
Debenture balance.....		385,788.34		
Accounts payable.....	1,606.06			104.11
Bank overdraft.....		139,209.02		
Other liabilities.....	405.43	10,923.34	112.85	
Total liabilities.....	2,011.49	535,920.70	112.85	104.11
RESERVES				
For equity in H-E.P.C. systems.....	25,940.33	1,001,696.62	12,802.23	88,207.12
Other reserves.....	115.66	55,700.98		
	26,055.99	1,057,397.60	12,802.23	88,207.12
SURPLUS				
Debentures paid.....	20,000.00	484,211.66	5,014.10	24,410.34
Local sinking fund.....				
Operating surplus.....	51,648.35	563,076.54	16,000.25	53,323.44
Net frequency standardization expense charged this year.....				
Total surplus.....	71,648.35	1,047,288.20	21,014.35	77,733.78
Total.....	99,715.83	2,640,606.50	33,929.43	166,045.01

Utilities as at December 31, 1953

Chester- ville	Chippawa	Clifford	Clinton	Cobden	Cobourg	Colborne
\$	\$	\$	\$	\$	\$	\$
3,360.25	1,434.46		10,164.94		32,227.73	
			33,389.59		1,668.35	
17,349.47	29,350.13	13,478.66	42,540.38	24,402.97	178,851.48	19,175.17
10,273.63	14,850.15	6,615.03	31,244.14	8,770.97	64,119.33	7,635.47
9,395.25	11,660.84	3,928.00	20,884.46	6,054.09	60,356.07	8,020.75
2,940.67	9,657.49	2,317.55	6,055.89	5,499.90	45,925.49	3,989.93
759.28	301.27	1,913.83	4,254.68	55.17	14,611.69	2,856.98
44,078.55	67,254.34	28,253.07	148,534.08	44,783.10	397,760.14	41,678.30
10,115.72	18,709.77	7,717.88	25,654.21	904.33	95,994.09	4,793.01
33,962.83	48,544.57	20,535.19	122,879.87	43,878.77	301,766.05	36,885.29
5,361.19	4,304.24	1,463.54	25.00	5,872.76	15,749.46	2,106.82
10,000.00	4,500.00	1,000.00	4,500.00		20,000.00	5,000.00
153.01	122.00		810.05	1,823.34	17,471.43	2,360.46
	666.70		4,156.08		20,974.25	7,889.20
19.12	1.32	17.00	137.33		2,210.53	
		3,193.55				
49,496.15	58,138.83	26,209.28	132,508.33	51,574.87	378,171.72	54,241.77
61,409.04	41,939.38	19,687.18	117,082.58	10,440.53	179,011.31	18,481.58
110,905.19	100,078.21	45,896.46	249,590.91	62,015.40	557,183.03	72,723.35
		521.79	27,000.00			
130.12	100.00	1,420.48	2,169.52	535.50	333.24	705.65
			2,806.74			
46.00	950.00	5.00	2,036.27	83.50	6,762.04	466.00
176.12	1,050.00	1,947.27	34,012.53	619.00	7,095.28	1,171.65
61,409.04	41,939.38	19,687.18	117,082.58	10,440.53	179,011.31	18,481.58
			418.28			
61,409.04	41,939.38	19,687.18	117,500.86	10,440.53	179,011.31	18,481.58
5,889.32	13,350.00	7,478.21	47,500.00	4,949.42	105,993.50	12,194.59
43,430.71	43,738.83	16,783.80	70,230.60	46,006.45	265,082.94	40,875.53
			19,653.08			
49,320.03	57,088.83	24,262.01	98,077.52	50,955.87	371,076.44	53,070.12
110,905.19	100,078.21	45,896.46	249,590.91	62,015.40	557,183.03	72,723.35

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Coldwater	Colling- wood	Comber	Cookstown
ASSETS	\$	\$	\$	\$
Lands and buildings.....	275.00	20,235.07	498.22	70.00
Substation equipment.....		23,179.35		
Distribution system, overhead.....	20,002.85	112,985.47	18,111.20	21,130.49
Distribution system, underground.....				
Line transformers.....	10,076.05	68,825.46	11,825.76	5,437.05
Meters.....	6,613.22	53,136.27	5,197.34	4,820.68
Street light equipment, regular.....	4,344.90	26,614.36	1,392.47	1,543.85
Miscellaneous construction expense..	119.60	6,281.02	455.12	200.07
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	41,431.62	311,257.00	37,480.11	33,202.14
Less reserve for depreciation.....	7,720.93	65,530.93	5,711.16	3,439.07
	33,710.69	245,726.07	31,768.95	29,763.07
Bank and cash balance.....	321.75	7,046.31	1,054.83	5,269.16
Securities and investments.....	8,500.00	11,000.00		
Accounts receivable.....	870.99	2,773.74	31.22	1,289.83
Inventories.....		10,601.79		
Sinking fund on local debentures.....				
Other assets.....	313.94	2,277.07	780.70	
Frequency standardization expenditure in suspense.....				
Equity in H-E.P.C. systems.....	43,717.37 32,100.59	279,424.98 337,498.40	33,635.70 39,746.95	36,322.06 13,996.14
Total.....	75,817.96	616,923.38	73,382.65	50,318.20
LIABILITIES				
Debenture balance.....			4,454.28	
Accounts payable.....	287.52	837.32		435.82
Bank overdraft.....				
Other liabilities.....	160.37	4,403.04	98.23	153.57
Total liabilities.....	447.89	5,240.36	4,552.51	589.39
RESERVES				
For equity in H-E.P.C. systems.....	32,100.59	337,498.40	39,746.95	13,996.14
Other reserves.....	96.00	500.00	25.38	
	32,196.59	337,998.40	39,772.33	13,996.14
SURPLUS				
Debentures paid.....	6,867.47	38,183.42	8,245.72	12,000.85
Local sinking fund.....				
Operating surplus.....	36,306.01	235,501.20	20,812.09	23,731.82
Net frequency standardization expense charged this year.....				
Total surplus.....	43,173.48	273,684.62	29,057.81	35,732.67
Total.....	75,817.96	616,923.38	73,382.65	50,318.20

Utilities as at December 31, 1953

Cottam	Courtright	Creemore	Dashwood	Delaware	Delhi	Deseronto
\$	\$	\$	\$	\$	\$	\$
475.63					2,786.04	1,322.41
18,624.74	10,885.61	13,364.73	5,779.90	9,018.64	62,920.39	161.18
6,335.44	3,720.24	7,416.77	6,500.17	2,946.43	37,958.00	22,971.02
4,177.21	2,836.46	6,696.23	4,022.89	2,669.71	26,445.29	10,820.80
1,113.76	2,049.86	2,580.94	382.95	476.04	9,511.96	4,436.58
95.24		336.88		52.54	8,020.45	4,073.35
					28,518.74	
30,822.02	19,492.17	30,395.55	16,685.91	15,163.36	176,160.87	76,112.00
6,758.69	1,467.41	5,746.91	2,504.63	3,572.66	27,116.73	17,456.15
24,063.33	18,024.76	24,648.64	14,181.28	11,590.70	149,044.14	58,655.85
1,970.23	1,880.80	5,189.92	3,750.32	770.23	13,497.19	2,997.21
3,000.00		5,000.00			23,500.00	6,000.00
64.14	600.49	341.77	111.42	580.38	2,004.01	5,072.69
		60.25			11,306.30	8,713.51
85.00					95.29	
					5.35	
29,182.70	20,506.05	35,240.58	18,043.02	12,941.31	199,452.28	81,439.26
12,666.04	13,466.16	27,725.25	21,052.94	9,651.41	37,318.81	25,261.13
41,848.74	33,972.21	62,965.83	39,095.96	22,592.72	236,771.09	106,700.39
					30,923.20	
1,095.84			24.50	1,313.82	50.25	
176.59	249.17	306.00		50.00	2,436.80	840.72
1,272.43	249.17	306.00	24.50	1,363.82	33,410.25	840.72
12,666.04	13,466.16	27,725.25	21,052.94	9,651.41	37,318.81	25,261.13
37.95	5.24	143.73		22.53	31.22	
12,703.99	13,471.40	27,868.98	21,052.94	9,673.94	37,350.03	25,261.13
9,000.22	8,138.35	2,823.61	3,400.00	4,000.00	54,076.80	15,000.00
18,899.10	12,113.29	31,967.24	14,618.52	7,554.96	111,934.01	65,598.54
27.00						
27,872.32	20,251.64	34,790.85	18,018.52	11,554.96	166,010.81	80,598.54
41,848.74	33,972.21	62,965.83	39,095.96	22,592.72	236,771.09	106,700.39

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dorchester	Drayton	Dresden	Drumbo
ASSETS	\$	\$	\$	\$
Lands and buildings.....			33,944.94	
Substation equipment.....			1,486.00	
Distribution system, overhead.....	16,546.61	13,351.72	44,730.51	9,067.35
Distribution system, underground.....				
Line transformers.....	8,965.16	9,364.06	19,238.60	5,362.16
Meters.....	6,753.41	4,741.54	16,815.43	3,391.42
Street light equipment, regular.....	3,569.24	2,011.76	2,617.60	505.64
Miscellaneous construction expense..	84.80	412.65	3,999.18	
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	35,919.22	29,881.73	122,832.26	18,326.57
Less reserve for depreciation.....	6,573.36	9,578.32	7,112.52	7,826.03
	29,345.86	20,303.41	115,719.74	10,500.54
Bank and cash balance.....		5,115.93	3,087.48	3,398.88
Securities and investments.....	1,700.00	6,000.00	1,000.00	8,500.00
Accounts receivable.....	1,511.25	618.17	3,757.45	686.37
Inventories.....	8.50		10,402.55	31.19
Sinking fund on local debentures.....				
Other assets.....		32.50		
Frequency standardization expenditure in suspense.....		5,385.15	1,076.30	78.00
	32,565.61	37,455.16	135,043.52	23,194.98
Equity in H-E.P.C. systems.....	18,863.02	30,305.12	80,462.48	16,712.74
Total.....	51,428.63	67,760.28	215,506.00	39,907.72
LIABILITIES				
Debenture balance.....			27,699.41	
Accounts payable.....	2,151.31	285.76	1,301.82	382.15
Bank overdraft.....	641.55			
Other liabilities.....	43.22	30.00	818.00	100.00
Total liabilities.....	2,836.08	315.76	29,819.23	482.15
RESERVES				
For equity in H-E.P.C. systems.....	18,863.02	30,305.12	80,462.48	16,712.74
Other reserves.....			1,259.52	
	18,863.02	30,305.12	81,722.00	16,712.74
SURPLUS				
Debentures paid.....	4,300.00	9,500.00	13,723.83	4,500.00
Local sinking fund.....				
Operating surplus.....	25,429.53	27,639.40	98,271.36	18,212.83
Net frequency standardization expense charged this year.....			8,030.42	
Total surplus.....	29,729.53	37,139.40	103,964.77	22,712.83
Total.....	51,428.63	67,760.28	215,506.00	39,907.72

Utilities as at December 31, 1953

Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.
\$	\$	\$	\$	\$	\$	\$
.....	2,542.33	22,277.88	7,323.56	211.28	75.11	187,304.69
.....	.....	38,830.02	41,181.36	.....	.....	330,984.46
8,519.38	16,079.90	123,569.21	64,242.28	37,217.45	14,526.35	905,164.07
.....	.....	.....	3,800.61	.....	.....	.....
5,153.74	9,265.54	61,042.15	42,619.44	24,119.06	8,380.56	538,634.04
2,579.90	6,222.80	52,137.37	38,273.52	14,696.89	5,164.52	386,130.67
659.43	2,770.66	18,770.08	13,868.36	4,262.14	2,621.20	142,506.18
.....	572.60	7,695.86	4,937.35	4,346.97	412.10	72,410.32
.....
.....	.....	1,534.00	.....	.....	.....	.....
16,912.45	37,453.83	325,856.57	216,246.48	84,853.79	31,179.84	2,563,134.43
6,310.49	7,401.68	102,083.57	66,164.39	15,707.80	11,866.20	255,206.85
10,601.96	30,052.15	223,773.00	150,082.09	69,145.99	19,313.64	2,307,927.58
7,598.05	558.17	963.86	70.00	3,029.99	1,545.26	51,379.47
1,300.00	8,500.00	9,000.00	20,000.00	6,000.00	7,000.00	.....
92.69	342.17	5,119.14	1,671.38	1,143.58	380.15	103,009.34
.....	.....	.....	12,048.93	2,215.99	.....	22,536.74
.....	.....	1,040.90	142.27	.....	1.42	150.00
.....	.....	1,528.25	368.00	.....	.....	.....
19,592.70	39,452.49	241,425.15	184,382.67	81,535.55	28,240.47	2,485,003.13
12,786.39	32,279.04	349,574.76	165,851.10	71,925.74	45,156.47	923,426.91
32,379.09	71,731.53	590,999.91	350,233.77	153,461.29	73,396.94	3,408,430.04
.....
3,209.55	35.23	3,232.56	5,680.44	218.66	2,278.45	643,000.00
.....	.....	12,599.22	5,095.78	.....	.....	213,617.19
3.00	100.00	6,919.06	4,191.39	226.00	157.36	15,605.82
3,212.55	135.23	22,750.84	14,967.61	444.66	2,435.81	872,223.01
12,786.39	32,279.04	349,574.76	165,851.10	71,925.74	45,156.47	923,426.91
.....	.....	55.96	.....	.....	26.75	9,377.14
12,786.39	32,279.04	349,630.72	165,851.10	71,925.74	45,183.22	932,804.05
6,200.00	5,727.27	53,000.00	75,500.00	25,323.97	8,407.49	436,763.36
11,078.51	33,589.99	165,618.35	93,915.06	55,766.92	17,370.42	1,166,639.62
898.36	.....	.....	.....	.....	.....	.....
16,380.15	39,317.26	218,618.35	169,415.06	81,090.89	25,777.91	1,603,402.98
32,379.09	71,731.53	590,999.91	350,233.77	153,461.29	73,396.94	3,408,430.04

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Eganville	Elmira	Elmvale	Elmwood
ASSETS	\$	\$	\$	\$
Lands and buildings.....	8,758.00	44,215.58	156.25	1,709.66
Substation equipment.....		44,580.13	2,273.07	
Distribution system, overhead.....	17,442.72	79,085.41	21,604.16	8,442.41
Distribution system, underground.....		490.20		
Line transformers.....	7,357.75	40,009.01	14,820.73	3,811.42
Meters.....	7,776.01	25,715.68	8,996.07	3,122.58
Street light equipment, regular.....	1,383.94	5,876.67	6,405.61	1,354.87
Miscellaneous construction expense..	2,887.07	4,471.30		
Steam or hydraulic plant.....	78,122.91			
Old plant.....				
Other capital assets.....				
Total plant.....	123,728.40	244,443.98	54,255.89	18,440.94
Less reserve for depreciation.....	19,178.65	45,985.61	8,982.67	3,690.32
	104,549.75	198,458.37	45,273.22	14,750.62
Bank and cash balance.....	6,958.30	14,724.22	780.50	5,467.37
Securities and investments.....			1,500.00	2,600.00
Accounts receivable.....	247.01	2,351.17	626.72	423.00
Inventories.....	1,291.89			
Sinking fund on local debentures.....				
Other assets.....		864.15		
Frequency standardization expenditure in suspense.....		5,941.04		
	113,046.95	222,338.95	48,180.44	23,240.99
Equity in H-E.P.C. systems.....	145.95	190,651.72	34,583.87	11,413.42
Total.....	113,192.90	412,990.67	82,764.31	34,654.41
LIABILITIES				
Debenture balance.....	77,203.33			
Accounts payable.....	0.35	573.64	3,111.19	480.68
Bank overdraft.....				
Other liabilities.....		1,284.05		85.00
Total liabilities.....	77,203.68	1,857.69	3,111.19	565.68
RESERVES				
For equity in H-E.P.C. systems.....	145.95	190,651.72	34,583.87	11,413.42
Other reserves.....			3.68	
	145.95	190,651.72	34,587.55	11,413.42
SURPLUS				
Debentures paid.....	22,796.67	37,168.50	6,544.07	6,106.38
Local sinking fund.....				
Operating surplus.....	13,046.60	183,312.76	38,521.50	16,568.93
Net frequency standardization expense charged this year.....				
Total surplus.....	35,843.27	220,481.26	45,065.57	22,675.31
Total.....	113,192.90	412,990.67	82,764.31	34,654.41

Utilities as at December 31, 1953

Elora	Embro	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
\$	\$	\$	\$	\$	\$	\$
4,678.36					12,196.49	414,928.37
29,792.38	15,342.67	33,602.95	5,286.36	20,275.46	75,374.97	605,006.24
					442.55	1,691,154.57
17,839.23	11,656.17	18,807.96	2,849.82	4,791.73	35,305.67	727,753.05
10,781.74	4,161.55	6,591.71	1,722.88	3,342.95	21,066.61	511,970.08
2,699.44	703.12	961.55	306.37	1,641.72	3,576.15	202,288.29
1,072.77	532.37			893.51	4,171.58	235,017.66
66,863.92	32,395.88	59,964.17	10,165.43	30,945.37	152,134.02	4,388,188.26
21,463.68	9,341.80	4,204.91	792.23	3,158.79	40,798.11	265,807.59
45,400.24	23,054.08	55,759.26	9,373.20	27,786.58	111,335.91	4,122,310.67
3,553.85	3,538.69	671.13	897.70	6,556.04	6,228.77	92,602.00
7,500.00	6,000.00	1,000.00				7,000.00
177.04	177.66	148.74	36.86	281.29	1,518.37	81,825.34
224.91					5,189.54	72,421.55
64.00		990.55			104.58	2,811.26
	40.25					
56,920.04	32,810.68	58,569.68	10,307.76	34,623.91	124,377.17	4,378,970.82
86,529.07	26,851.71	20,419.96	4,139.77	1,850.30	85,006.31	886,618.96
143,449.11	59,662.39	78,989.64	14,447.53	36,474.21	209,383.48	5,265,589.78
				12,325.00	1,467.42	2,910,600.00
288.07	1,527.39	9,600.00		161.96		16.95
365.00	25.38	57.50	147.50	280.00	910.00	40,756.20
653.07	1,522.77	9,657.50	147.50	12,766.96	2,377.42	2,951,373.15
86,529.07	26,851.71	20,419.96	4,139.77	1,850.30	85,006.31	886,618.96
		19.23	18.90		320.05	4,081.67
86,529.07	26,851.71	20,439.19	4,158.67	1,850.30	85,326.36	890,700.63
13,000.00	7,500.00	6,883.13	3,300.00	2,175.00	21,032.58	450,095.40
43,266.97	23,757.91	42,009.82	6,841.36	19,681.95	100,659.12	973,483.31
					12.00	62.71
56,266.97	31,257.91	48,892.95	10,141.36	21,856.95	121,679.70	1,423,516.00
143,449.11	59,662.39	78,989.64	14,447.53	36,474.21	209,383.48	5,265,589.78

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Exeter	Fergus	Finch	Flesherton
ASSETS	\$	\$	\$	\$
Lands and buildings	9,954.19	2,442.52		430.00
Substation equipment		27,539.89		
Distribution system, overhead	61,952.27	55,954.00	13,934.17	13,497.77
Distribution system, underground				
Line transformers	36,047.61	38,571.53	6,928.42	8,786.74
Meters	22,808.58	27,500.99	4,032.00	4,484.41
Street light equipment, regular	5,818.59	10,279.37	1,897.36	1,646.58
Miscellaneous construction expense ..	3,859.91	1,256.08	336.05	372.39
Steam or hydraulic plant				
Old plant				
Other capital assets				
Total plant	140,441.15	163,544.38	27,128.00	29,217.89
Less reserve for depreciation	35,029.86	32,083.79	3,981.52	5,518.97
	105,411.29	131,460.59	23,146.48	23,698.92
Bank and cash balance	2,996.05	6,987.07	2,472.14	1,556.05
Securities and investments			6,000.00	11,000.00
Accounts receivable	1,261.29	1,783.59	1,155.35	41.20
Inventories	2,711.26	703.12		
Sinking fund on local debentures				
Other assets	81.06	141.00		
Frequency standardization expenditure in suspense		240.00		
	112,460.95	141,315.37	32,773.97	36,296.17
Equity in H-E.P.C. systems	111,639.54	172,208.95	12,668.23	15,160.09
Total	224,100.49	313,524.32	45,442.20	51,456.26
LIABILITIES				
Debenture balance				
Accounts payable	202.67	775.71		42.65
Bank overdraft				
Other liabilities	1,596.07	1,018.20	230.95	104.00
Total liabilities	1,798.74	1,793.91	230.95	146.65
RESERVES				
For equity in H-E.P.C. systems	111,639.54	172,208.95	12,668.23	15,160.09
Other reserves	60.16	166.02		
	111,699.70	172,374.97	12,668.23	15,160.09
SURPLUS				
Debentures paid	20,000.05	42,000.00	7,000.00	5,830.88
Local sinking fund				
Operating surplus	90,602.00	97,355.44	25,543.02	30,318.64
Net frequency standardization expense charged this year				
Total surplus	110,602.05	139,355.44	32,543.02	36,149.52
Total	224,100.49	313,524.32	45,442.20	51,456.26

Utilities as at December 31, 1953

Fonthill	Forest	Forest Hill	Frankford	Galt	Georgetown
\$	\$	\$	\$	\$	\$
.....	6,576.61	52,742.79	.....	268,532.84	5,905.28
.....	.....	220,248.14	.....	336,424.54	18,491.00
32,616.61	29,399.63	290,088.96	26,410.28	445,660.01	80,931.35
.....	.....	10,513.60	.....	4,220.52	.....
24,171.90	23,342.58	221,620.41	6,916.87	244,011.36	54,630.15
14,101.78	17,808.45	98,995.23	7,412.34	164,693.69	35,126.91
5,422.05	7,401.71	17,414.64	3,006.98	110,008.80	9,652.46
6,642.49	5,018.64	22,530.19	.....	44,517.82	4,184.99
.....
.....	.....	.....	.....	73,518.00	.....
82,954.83	89,547.62	934,153.96	43,746.47	1,691,587.58	208,922.14
9,862.17	30,237.10	278,494.93	5,715.11	544,455.45	47,029.33
73,092.66	59,310.52	655,659.03	38,031.36	1,147,132.13	161,892.81
.....	1,178.58	96,862.62	20,175.16	350.00	50.00
.....	36,510.00	74,000.00	.....	175,000.00	5,000.00
320.33	6,517.29	5,231.65	270.05	20,251.47	238.73
33.50	2,098.99	23,814.22	.....	73,964.55	12,446.21
.....
.....	25.00	.....	.....	9,210.85	147.00
.....	.....	10,069.84	.....	29,266.95	.....
73,446.49	105,640.38	865,637.36	58,476.57	1,455,175.95	179,774.75
22,103.72	88,983.14	554,250.80	3,057.53	1,367,365.34	268,140.35
95,550.21	194,623.52	1,419,888.16	61,534.10	2,822,541.29	447,915.10
12,000.00	.....	83,754.54	12,000.00	290,000.00	.....
9,488.74	41.39	12,227.08	.....	14,552.34	.....
1,129.10	.....	.....	.....	15,858.99	1,832.48
524.30	131.86	24,241.50	650.00	11,704.40	7,529.92
23,142.14	173.25	120,223.12	12,650.00	332,115.73	9,362.40
22,103.72	88,983.14	554,250.80	3,057.53	1,367,365.34	268,140.35
.....	85.89	256.43	.....	27,079.94	250.00
22,103.72	89,069.03	554,507.23	3,057.53	1,394,445.28	268,390.35
24,500.00	23,357.13	279,027.06	8,000.00	528,001.95	20,000.00
25,804.35	82,024.11	466,130.75	37,826.57	567,978.33	150,162.35
.....
50,304.35	105,381.24	745,157.81	45,826.57	1,095,980.28	170,162.35
95,550.21	194,623.52	1,419,888.16	61,534.10	2,822,541.29	447,915.10

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Glencoe	Goderich	Grand Valley	Granton
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,587.66	81,520.77	36.50	
Substation equipment.....		74,215.04		
Distribution system, overhead.....	31,742.18	117,298.13	17,174.32	5,991.96
Distribution system, underground.....				
Line transformers.....	16,748.81	64,771.86	8,198.10	3,578.36
Meters.....	9,138.62	50,239.45	6,929.04	2,872.25
Street light equipment, regular.....	6,581.91	12,858.34	1,117.46	180.78
Miscellaneous construction expense.....	1,711.94	19,687.45	162.81	41.40
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	69,511.12	420,591.04	33,618.23	12,664.75
Less reserve for depreciation.....	17,019.82	101,820.67	13,290.66	1,419.11
	52,491.30	318,770.37	20,327.57	11,245.64
Bank and cash balance.....	7,055.22	79,613.59	2,833.53	3,211.13
Securities and investments.....	10,100.00	2,000.00	8,000.00	
Accounts receivable.....	1,368.44	9,433.34	559.79	66.47
Inventories.....	853.00	3,790.16		
Sinking fund on local debentures.....				
Other assets.....	35.27	598.09		348.38
Frequency standardization expenditure in suspense.....				
	71,903.23	414,205.55	31,720.89	14,871.62
Equity in H-E.P.C. systems.....	48,008.44	298,720.06	29,780.47	17,432.74
Total.....	119,911.67	712,925.61	61,501.36	32,304.36
LIABILITIES				
Debenture balance.....		117,804.37		2,567.69
Accounts payable.....	14.96	17,612.93	241.43	484.00
Bank overdraft.....				
Other liabilities.....	397.00	5,024.71		30.00
Total liabilities.....	411.96	140,442.01	241.43	3,081.69
RESERVES				
For equity in H-E.P.C. systems.....	48,008.44	298,720.06	29,780.47	17,432.74
Other reserves.....	351.64	604.01		57.80
	48,360.08	299,324.07	29,780.47	17,490.54
SURPLUS				
Debentures paid.....	20,112.88	103,283.68	10,794.30	4,075.89
Local sinking fund.....				
Operating surplus.....	51,026.75	187,671.63	20,685.16	7,656.24
Net frequency standardization expense charged this year.....		17,795.78		
Total surplus.....	71,139.63	273,159.53	31,479.46	11,732.13
Total.....	119,911.67	712,925.61	61,501.36	32,304.36

Utilities as at December 31, 1953

Gravenhurst	Grimsby	Guelph	Hagersville	Hamilton	Hanover
\$	\$	\$	\$	\$	\$
15,684.91		28,509.07	2,700.00	2,416,570.49	27,800.95
10,936.03		334,812.29	864.37	4,184,434.23	3,511.19
54,018.01	66,301.41	524,014.63	29,169.56	2,503,003.93	77,371.95
1,941.77		28,847.47		1,575,883.14	
30,888.15	33,683.09	232,021.54	23,467.17	2,162,601.11	40,291.64
29,533.88	25,058.33	217,074.79	16,396.54	1,483,816.28	30,768.32
10,862.84	7,801.47	78,181.01	1,439.69	646,055.52	7,251.90
2,706.54		39,546.14	1,292.81	155,190.48	9,054.26
		62,900.00			
156,572.13	132,844.30	1,545,906.94	75,330.14	15,127,555.18	196,050.21
38,336.13	19,656.51	406,756.88	25,320.15	1,963,349.62	83,656.30
118,236.00	113,187.79	1,139,150.06	50,009.99	13,164,205.56	112,393.91
4,778.89	7,537.54	362.50	5,757.00	40,247.64	19,138.19
9,000.00	26,000.00	150,000.00	42,000.00		108,270.36
1,798.16	752.20	521.73	660.83	2,264,936.47	494.18
1,513.65	142.97	62,878.40	188.94	736,180.97	263.19
	1,335.00	1,524.73	11.62	374,837.01	1,241.46
	530.00	11,213.45		32,902.62	
135,326.70	149,485.50	1,365,650.87	98,628.38	16,613,310.27	241,801.29
96,106.20	36,245.57	1,594,447.43	173,293.85	14,884,168.03	197,679.35
231,432.90	185,731.07	2,960,098.30	271,922.23	31,497,478.30	439,480.64
		319,000.00		1,500,000.00	
560.05	14,349.95	69,784.46	95.20	1,071,312.09	
		29,421.61		607,243.80	
1,346.50	2,184.86	15,278.15	665.00	64,577.86	2,169.64
1,906.55	16,534.81	433,484.22	760.20	3,243,133.75	2,169.64
96,106.20	36,245.57	1,594,447.43	173,293.85	14,884,168.03	197,679.35
433.50		18,033.52		235,241.65	
96,539.70	36,245.57	1,612,480.95	173,293.85	15,119,409.68	197,679.35
44,278.97	85,344.00	176,000.00	8,000.00	6,185,275.19	80,162.29
88,707.68	47,606.69	738,133.13	89,868.18	6,958,388.93	159,469.36
				8,729.25	
132,986.65	132,950.69	914,133.13	97,868.18	13,134,934.87	239,631.65
231,432.90	185,731.07	2,960,098.30	271,922.23	31,497,478.30	439,480.64

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hastings	Havelock
ASSETS	\$	\$	\$	\$
Lands and buildings.....	395.25	2,318.16		
Substation equipment.....	25.00			
Distribution system, overhead.....	42,040.20	41,136.44	27,584.84	38,639.29
Distribution system, underground.....				
Line transformers.....	21,715.37	30,675.70	8,862.62	11,353.24
Meters.....	12,614.81	14,084.38	8,295.52	9,661.50
Street light equipment, regular.....	8,179.33	4,525.48	1,577.62	6,489.30
Miscellaneous construction expense..	1,682.41	1,096.98		373.00
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	86,652.37	93,837.14	46,320.60	66,516.33
Less reserve for depreciation.....	22,175.20	25,112.22	13,991.68	10,509.79
	64,477.17	68,724.92	32,328.92	56,006.54
Bank and cash balance.....	3,226.18	2,910.30	1,250.16	11,103.12
Securities and investments.....		7,000.00	8,000.00	10,000.00
Accounts receivable.....	1,396.72	1,387.60	25.45	280.09
Inventories.....	344.74	8,091.22		
Sinking fund on local debentures.....				
Other assets.....	73.50	40.53	736.00	
Frequency standardization expenditure in suspense.....	10,419.78	4,296.19		
	79,938.09	92,450.76	42,340.53	77,389.75
Equity in H-E.P.C. systems.....	84,551.11	73,910.92	12,861.54	29,542.71
Total.....	164,489.20	166,361.68	55,202.07	106,932.46
LIABILITIES				
Debenture balance.....				27,000.00
Accounts payable.....	72.71	5,004.79	1,150.47	1,508.44
Bank overdraft.....				
Other liabilities.....	422.26	820.00	693.09	170.00
Total liabilities.....	494.97	5,824.79	1,843.56	28,678.44
RESERVES				
For equity in H-E.P.C. systems.....	84,551.11	73,910.92	12,861.54	29,542.71
Other reserves.....		128.85		
	84,551.11	74,039.77	12,861.54	29,542.71
SURPLUS				
Debentures paid.....	25,818.03	12,000.00	21,000.00	35,900.00
Local sinking fund.....				
Operating surplus.....	53,625.09	79,780.24	19,496.97	12,811.31
Net frequency standardization expense charged this year.....		5,283.12		
Total surplus.....	79,443.12	86,497.12	40,496.97	48,711.31
Total.....	164,489.20	166,361.68	55,202.07	106,932.46

Utilities as at December 31, 1953

Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
\$	\$	\$	\$	\$	\$	\$
.....	17,651.31	.....	.....	353.52	30,330.70	281.20
.....	61,830.62	.....	.....	.....	105,994.97	.....
29,734.92	66,708.52	11,138.90	5,168.50	43,776.52	96,613.50	14,055.11
.....
25,287.72	52,935.80	5,057.71	2,504.43	36,829.76	71,153.82	6,688.90
9,873.82	22,890.48	2,879.28	1,800.94	26,695.32	53,682.56	7,025.95
3,616.77	19,121.66	3,001.38	1,100.04	12,072.61	9,949.89	2,852.22
342.41	11,476.71	.....	30.49	2,816.93	5,167.21	342.11
.....
.....
68,855.64	252,615.10	22,077.27	10,604.40	122,544.66	372,892.65	31,245.49
14,001.75	35,038.28	7,505.75	1,681.00	21,508.80	55,003.39	6,557.17
.....
54,853.89	217,576.82	14,571.52	8,923.40	101,035.86	317,889.26	24,688.32
.....
216.13	59,906.33	.....	1,206.48	222.72	6,730.60	3,784.35
2,000.00	10,000.00	3,000.00	2,000.00	.....	.....	8,000.00
494.09	23,437.55	.....	5.22	2,619.94	5,443.79	253.44
.....	921.26	.....	.....	11,504.09	6,928.12	948.48
.....
15.00	310.00	1,231.41	.....	7,737.13	554.84	.....
.....	2,305.00	.....	.....	.....	749.00	.....
.....
57,579.11	314,456.96	18,802.93	12,135.10	123,119.74	338,295.61	37,674.59
41,311.19	310,185.40	21,458.64	6,184.47	156,743.98	446,470.79	12,508.32
.....
98,890.30	624,642.36	40,261.57	18,319.57	279,863.72	784,766.40	50,182.91
.....
.....	.....	.....	.....	.....	74,653.61	.....
4,381.48	1,184.66	.....	.....	23.00	2,857.42	21.35
.....	.....	408.63	.....	.....	.....	.....
125.00	1,860.00	95.00	42.60	1,268.42	4,301.35	786.76
.....
4,506.48	3,044.66	503.63	42.60	1,291.42	81,812.38	808.11
.....
41,311.19	310,185.40	21,458.64	6,184.47	156,743.98	446,470.79	12,508.32
.....	105.17	.....	.....	129.14	147.38	.....
.....
41,311.19	310,290.57	21,458.64	6,184.47	156,873.12	446,618.17	12,508.32
.....
12,000.00	77,570.51	5,000.00	2,762.05	15,697.39	85,146.39	.....
.....
41,072.63	233,736.62	13,337.63	9,330.45	106,001.79	171,189.46	36,866.48
.....	.....	38.33	.....	.....	.....	.....
.....
53,072.63	311,307.13	18,299.30	12,092.50	121,699.18	256,335.85	36,866.48
.....
98,890.30	624,642.36	40,261.57	18,319.57	279,863.72	784,766.40	50,182.91

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Jarvis	Kemptville	Kincardine	Kingston
ASSETS	\$	\$	\$	\$
Lands and buildings.....		5,466.98	6,740.17	414,384.33
Substation equipment.....			13,082.39	536,248.29
Distribution system, overhead.....	23,878.44	32,423.14	68,653.59	542,560.57
Distribution system, underground.....				393,691.15
Line transformers.....	9,326.29	23,263.95	36,637.47	282,791.28
Meters.....	5,200.39	15,965.80	23,172.32	270,369.21
Street light equipment, regular.....	1,097.57	1,478.58	13,092.89	127,634.79
Miscellaneous construction expense..	97.60	1,990.15	4,790.86	8,388.36
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	39,600.29	80,588.60	166,169.69	2,576,067.98
Less reserve for depreciation.....	1,379.57	14,463.05	33,389.40	728,103.26
	38,220.72	66,125.55	132,780.29	1,847,964.72
Bank and cash balance.....	1,762.82	10,379.04	50.00	8,651.99
Securities and investments.....		6,000.00	33,000.00	180,000.00
Accounts receivable.....	382.94	2,317.00	1,901.74	148,178.01
Inventories.....		4,777.60	248.76	70,031.83
Sinking fund on local debentures.....				
Other assets.....	1,161.20		411.60	26,095.23
Frequency standardization expenditure in suspense.....				
	41,527.68	89,599.19	168,392.39	2,280,921.78
Equity in H-E.P.C. systems.....	35,443.10	54,965.70	112,297.13	669,840.28
Total.....	76,970.78	144,564.89	280,689.52	2,950,762.06
LIABILITIES				
Debenture balance.....				
Accounts payable.....	131.00	159.87	33.68	142,085.13
Bank overdraft.....			2,369.37	
Other liabilities.....		538.48	694.80	18,474.70
Total liabilities.....	131.00	698.35	3,097.85	160,559.83
RESERVES				
For equity in H-E.P.C. systems.....	35,443.10	54,965.70	112,297.13	669,840.28
Other reserves.....		477.76	39.62	100,000.00
	35,443.10	55,443.46	112,336.75	769,840.28
SURPLUS				
Debentures paid.....	10,500.00	19,506.62	60,000.00	274,339.08
Local sinking fund.....				
Operating surplus.....	30,896.68	68,916.46	105,254.92	1,746,022.87
Net frequency standardization expense charged this year.....				
Total surplus.....	41,396.68	88,423.08	165,254.92	2,020,361.95
Total.....	76,970.78	144,564.89	280,689.52	2,950,762.06

Utilities as at December 31, 1953

Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
\$	\$	\$	\$	\$	\$	\$
8,730.87		385,953.55	7,970.94			
		808,784.62				
63,559.14	8,191.32	1,028,149.79	40,252.36	32,907.98	14,246.54	9,971.30
		337,455.25				
29,034.76	2,331.94	610,178.80	19,664.92	14,356.35	7,147.12	2,250.66
25,801.18	1,650.80	411,243.19	15,023.53	10,183.22	5,632.80	3,583.91
2,464.56	476.81	152,971.07	3,979.03	2,110.59	1,567.82	910.14
926.35		129,362.82	3,143.61	17.00	910.25	79.77
		186,578.00				
130,516.86	12,650.87	4,050,677.09	90,034.39	59,575.14	29,504.53	16,795.78
36,247.71	3,891.36	652,560.61	22,842.41	10,525.34	4,719.51	6,039.98
94,269.15	8,759.51	3,398,116.48	67,191.98	49,049.80	24,785.02	10,755.80
5,117.65	2,072.97	116,626.09	20,477.39	4,121.02	5,350.34	7,481.66
8,500.00	3,000.00		23,000.00		17,000.00	4,000.00
4,091.53	11.93	412,163.92	542.39	1,941.88	3.44	627.25
2,685.80		212,891.36	4,314.96			
110.00		2,471.01		32.00		
16,793.39		53,657.55				
131,567.52	13,844.41	4,195,926.41	115,526.72	55,144.70	47,138.80	22,864.71
103,921.31	7,345.60	3,278,824.44	40,885.48	25,435.31	16,324.30	13,673.88
235,488.83	21,190.01	7,474,750.85	156,412.20	80,580.01	63,463.10	36,538.59
2,295.98		732,000.00		24,246.87		
6,020.30	8.27	303,758.70	137.20	1,097.06		527.23
2,584.75		17,146.20	449.53	382.50	135.00	223.48
10,901.03	8.27	1,052,904.90	586.73	25,726.43	135.00	750.71
103,921.31	7,345.60	3,278,824.44	40,885.48	25,435.31	16,324.30	13,673.88
883.35	200.00	27,303.46		16.85		
104,804.66	7,545.60	3,306,127.90	40,885.48	25,452.16	16,324.30	13,673.88
31,204.02	5,765.89	855,150.00	33,500.00	8,253.13	7,316.57	8,916.82
88,579.12	7,870.25	2,260,568.05	81,439.99	21,148.29	39,687.23	13,197.18
119,783.14	13,636.14	3,115,718.05	114,939.99	29,401.42	47,003.80	22,114.00
235,488.83	21,190.01	7,474,750.85	156,412.20	80,580.01	63,463.10	36,538.59

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	La Salle	Leaming- ton	Lindsay	Listowel
ASSETS	\$	\$	\$	\$
Lands and buildings.....	1,210.68	36,105.25	69,859.65	1,651.40
Substation equipment.....		8,288.84	104,291.01	20,947.10
Distribution system, overhead.....	58,208.64	105,649.41	180,670.30	111,123.87
Distribution system, underground.....		44,437.69	24,181.53	7,883.17
Line transformers.....	23,896.90	62,206.96	86,026.69	46,095.73
Meters.....	15,648.97	54,465.38	73,374.22	28,738.65
Street light equipment, regular.....	1,953.47	5,130.47	17,235.79	6,655.41
Miscellaneous construction expense..	4,889.32	8,735.89	60,311.23	6,650.63
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	105,807.98	325,019.89	615,950.42	229,745.96
Less reserve for depreciation.....	18,755.97	84,483.57	134,184.22	76,666.97
	87,052.01	240,536.32	481,766.20	153,078.99
Bank and cash balance.....	250.00	11,107.36		34,289.29
Securities and investments.....		2,000.00	15,000.00	5,000.00
Accounts receivable.....	2,242.89	7,829.16	1,913.54	1,206.25
Inventories.....	310.51	8,560.70	15,753.14	561.88
Sinking fund on local debentures.....				
Other assets.....		41.40		336.96
Frequency standardization expenditure in suspense.....	50.12			23,181.22
	89,905.53	270,074.94	514,432.88	217,654.59
Equity in H-E.P.C. systems.....	41,627.29	250,541.44	308,202.18	201,804.56
Total.....	131,532.82	520,616.38	822,635.06	419,459.15
LIABILITIES				
Debenture balance.....				70,000.00
Accounts payable.....	8,173.92	3,433.07	102,878.00	681.21
Bank overdraft.....	2,040.13		7,976.28	
Other liabilities.....	1,557.98	4,408.93	6,631.59	1,206.98
Total liabilities.....	11,772.03	7,842.00	117,485.87	71,888.19
RESERVES				
For equity in H-E.P.C. systems.....	41,627.29	250,541.44	308,202.18	201,804.56
Other reserves.....	111.99	252.57		2,987.38
	41,739.28	250,794.01	308,202.18	204,791.94
SURPLUS				
Debentures paid.....	15,500.00	48,000.00	130,000.00	43,189.89
Local sinking fund.....				
Operating surplus.....	62,521.51	213,988.77	266,947.01	99,589.13
Net frequency standardization expense charged this year.....		8.40		
Total surplus.....	78,021.51	261,980.37	396,947.01	142,779.02
Total.....	131,532.82	520,616.38	822,635.06	419,459.15

Utilities as at December 31, 1953

London	London Twp.	Long Branch	L'Original	Lucan	Lucknow	Lynden
\$	\$	\$	\$	\$	\$	\$
606,516.61				375.45		241.18
915,070.50						
1,285,495.38	49,181.30	123,269.80	28,047.92	21,380.83	37,155.56	8,310.62
1,645,894.47						
939,167.55	25,210.06	74,146.14	6,668.01	13,631.32	18,524.71	5,369.34
663,208.31	18,340.99	56,453.30	4,837.84	8,870.56	9,780.60	4,231.88
315,969.03	2,948.60	24,338.09	900.00	5,191.31	7,687.92	695.10
235,900.00	559.20		1,877.96		285.28	
6,607,221.85	96,240.15	278,207.33	42,331.73	49,449.47	73,434.07	18,848.12
2,119,474.79	21,562.46	19,182.69	13,527.21	12,862.56	4,876.60	6,094.76
4,487,747.06	74,667.69	259,024.64	28,804.52	36,586.91	68,557.47	12,753.36
18,560.53	12,939.08	3,179.26	912.02	431.86	5,313.09	1,826.58
206,500.00	2,000.00	3,000.00		5,500.00	9,000.00	5,000.00
344,882.00	1,382.78	7,826.52	2,881.74	163.04	637.87	580.37
364,101.81						
10,157.41	940.00					
5,431,948.81	91,939.55	273,030.42	32,598.28	42,681.81	83,508.43	20,160.31
5,673,963.08	61,459.97	120,551.59		42,198.06	52,590.81	27,959.60
11,105,911.89	153,399.52	393,582.01	32,598.28	84,879.87	136,099.24	48,119.91
603,000.00	32,046.54		27,000.00			
461,352.51	1,786.47	30,973.43		3,052.99	2,388.84	87.35
51,939.02	877.62	5,179.26	1,000.00	523.01		36.32
1,116,291.53	34,710.63	36,152.69	28,000.00	3,576.00	2,388.84	123.67
5,673,963.08	61,459.97	120,551.59		42,198.06	52,590.81	27,959.60
260,739.04	935.06	962.15			490.75	
5,934,702.12	62,395.03	121,513.74		42,198.06	53,081.56	27,959.60
1,628,900.00	19,953.46	40,304.60	1,000.00	11,213.62	17,614.08	4,495.00
2,426,252.93	36,340.40	195,610.98	3,598.28	27,892.19	63,014.76	15,541.64
234.69						
4,054,918.24	56,293.86	235,915.58	4,598.28	39,105.81	80,628.84	20,036.64
11,105,911.89	153,399.52	393,582.01	32,598.28	84,879.87	136,099.24	48,119.91

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magneta- wan	Markdale	Markham
ASSETS	\$	\$	\$	\$
Lands and buildings.....	100.00	278.04		
Substation equipment.....		1,821.70	780.80	
Distribution system, overhead.....	43,868.46	11,545.18	19,741.78	51,461.94
Distribution system, underground.....				
Line transformers.....	15,744.83	3,958.61	11,454.14	31,106.39
Meters.....	13,200.89	1,335.07	10,049.08	17,345.73
Street light equipment, regular.....	3,204.25	983.31	4,555.77	2,716.95
Miscellaneous construction expense..	704.35	528.00	170.00	363.55
Steam or hydraulic plant.....				
Old plant.....		2,770.62		
Other capital assets.....				
Total plant.....	76,822.78	23,220.53	46,751.57	102,994.56
Less reserve for depreciation.....	15,221.29	2,879.30	6,195.21	15,545.33
	61,601.49	20,341.23	40,556.36	87,449.23
Bank and cash balance.....	14,779.07	11,167.83	5,602.39	
Securities and investments.....	2,000.00	100.00		5,000.00
Accounts receivable.....	524.47		125.98	428.71
Inventories.....	2,853.75			
Sinking fund on local debentures.....				
Other assets.....	24.29			
Frequency standardization expenditure in suspense.....				
	81,783.07	31,609.06	46,284.73	92,877.94
Equity in H-E.P.C. systems.....	26,558.45	274.74	26,449.42	51,832.28
Total.....	108,341.52	31,883.80	72,734.15	144,710.22
LIABILITIES				
Debenture balance.....		24,000.00		
Accounts payable.....	255.80	3,972.42	306.05	6,382.92
Bank overdraft.....				174.00
Other liabilities.....	548.84		92.00	110.00
Total liabilities.....	804.64	27,972.42	398.05	6,666.92
RESERVES				
For equity in H-E.P.C. systems.....	26,558.45	274.74	26,449.42	51,832.28
Other reserves.....				65.00
	26,558.45	274.74	26,449.42	51,897.28
SURPLUS				
Debentures paid.....	14,000.00		6,370.29	11,373.63
Local sinking fund.....				
Operating surplus.....	66,978.43	3,636.64	39,516.39	74,772.39
Net frequency standardization expense charged this year.....				
Total surplus.....	80,978.43	3,636.64	45,886.68	86,146.02
Total.....	108,341.52	31,883.80	72,734.15	144,710.22

Utilities as at December 31, 1953

Marmora	Martin- town	Maxville	Meaford	Merlin	Merrick- ville	Merritton
\$	\$	\$	\$	\$	\$	\$
1,014.15	126.15		1,144.18	17,741.50		52,306.15
		407.79	2,593.47			105,902.94
24,379.97	4,322.49	18,870.64	58,131.85	12,825.38	17,989.01	83,184.21
11,964.96	2,432.52	8,158.71	32,185.46	7,022.38	6,944.01	37,687.90
8,833.31	2,158.60	5,656.62	28,506.07	4,701.62	7,882.78	38,228.10
1,616.24	679.01	2,642.96	12,468.10	1,265.31	798.36	9,656.58
438.00	36.94	390.30	3,019.43	357.68	1,146.39	12,869.24
					4,137.68	
48,246.63	9,755.71	36,127.02	138,048.56	43,913.87	38,898.23	339,835.12
21,811.50	2,679.42	6,136.20	31,082.40	11,556.31	3,810.29	73,077.95
26,435.13	7,076.29	29,990.82	106,966.16	32,357.56	35,087.94	266,757.17
351.14	3,488.74	2,523.40	48,595.78	7,036.55	10,739.66	47,017.98
7,000.00	2,500.00	2,500.00	15,000.00			87,000.00
17.85	268.17	618.31	632.50	1,084.64	3,256.35	5,159.44
1,860.71			6,134.29	381.78		13,919.68
			250.00			79.66
						1,450.00
35,664.83	13,333.20	35,632.53	177,578.73	40,860.53	49,083.95	421,383.93
16,856.96	5,509.41	22,555.80	89,469.89	25,310.25	2,249.36	596,715.83
52,521.79	18,842.61	58,188.33	267,048.62	66,170.78	51,333.31	1,018,099.76
					22,300.00	
	96.30	122.11	154.19	61.14	1,797.97	83.53
520.00	60.00	104.89	2,100.14	90.28	440.00	1,433.71
520.00	156.30	227.00	2,254.33	151.42	24,537.97	1,517.24
16,856.96	5,509.41	22,555.80	89,469.89	25,310.25	2,249.36	596,715.83
	81.02	295.87	98.71	23.40		
16,856.96	5,590.43	22,851.67	89,568.60	25,333.65	2,249.36	596,715.83
15,091.58	5,346.73	13,642.40	47,724.76	13,122.36	2,700.00	32,186.21
20,053.25	7,749.15	21,467.26	127,500.93	27,568.35	21,845.98	388,113.54
				5.00		433.06
35,144.83	13,095.88	35,109.66	175,225.69	40,685.71	24,545.98	419,866.69
52,521.79	18,842.61	58,188.33	267,048.62	66,170.78	51,333.31	1,018,099.76

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	26,727.00			17,085.21	761.88
Substation equipment.....	168,946.34			47,949.60	
Distribution system, overhead....	162,854.23	11,434.82	14,666.02	61,439.31	18,879.22
Distribution system, underground..					
Line transformers.....	68,002.78	12,032.23	6,117.21	35,768.79	19,917.52
Meters.....	67,167.14	6,594.96	4,955.51	25,188.51	10,068.75
Street light equipment, regular....	23,246.64	1,931.57	2,610.89	24,093.74	1,109.25
Miscellaneous construction expense	10,471.26	19.53	599.00	5,728.04	1,459.56
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	527,415.39	32,013.11	28,948.63	217,253.20	52,196.18
Less reserve for depreciation....	243,197.58	3,171.72	5,984.66	43,361.30	11,318.99
	284,217.81	28,841.39	22,963.97	173,891.90	40,877.19
Bank and cash balance.....	3,340.79	4,860.69	7,609.76	8,754.34	2.69
Securities and investments.....	87,000.00	10,500.00	4,000.00		4,000.00
Accounts receivable.....	6,342.39	26.05	253.99	1,846.36	384.00
Inventories.....	10,936.15		555.96	2,759.64	134.00
Sinking fund on local debentures..					
Other assets.....	3,234.09			53.50	
Frequency standardization expendi- ture in suspense.....				2,131.78	7,954.41
	395,071.23	44,228.13	35,383.68	189,437.52	53,352.29
Equity in H-E.P.C. systems.....	517,496.02	13,337.03	7,261.33	243,303.32	92,927.49
Total.....	912,567.25	57,565.16	42,645.01	432,740.84	146,279.78
LIABILITIES					
Debenture balance.....				25,171.22	
Accounts payable.....	9,712.95	850.81	302.75	276.17	174.65
Bank overdraft.....					12,030.79
Other liabilities.....	1,931.55	275.73	160.04	858.06	
Total liabilities.....	11,644.50	1,126.54	462.79	26,305.45	12,205.44
RESERVES					
For equity in H-E.P.C. systems....	517,496.02	13,337.03	7,261.33	243,303.32	92,927.49
Other reserves.....	1,302.06			200.33	
	518,798.08	13,337.03	7,261.33	243,503.65	92,927.49
SURPLUS					
Debentures paid.....	111,944.99	12,303.50	9,000.00	33,875.19	9,500.00
Local sinking fund.....					
Operating surplus.....	270,179.68	30,798.09	25,920.89	129,056.55	31,646.85
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	382,124.67	43,101.59	34,920.89	162,931.74	41,146.85
Total.....	912,567.25	57,565.16	42,645.01	432,740.84	146,279.78

Utilities as at December 31, 1953

Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napance
\$	\$	\$	\$	\$	\$	\$
106,243.19	27,909.49	.....	13,586.69	.....	3,726.00	25,762.32
101,200.16	20,150.19	.....	4,499.48	.....	686.75	2,358.27
145,274.02	47,649.83	6,606.90	24,285.49	15,570.60	36,095.19	85,715.89
.....
95,830.67	32,266.61	2,819.19	13,498.96	7,253.92	22,226.89	34,572.20
84,375.07	22,261.07	2,358.59	14,229.11	5,788.27	19,171.90	32,037.27
15,667.68	9,218.44	406.36	7,908.38	1,903.17	5,409.11	8,897.60
18,951.41	12,708.08	71.27	5,736.02	.....	1,974.32	14,949.65
.....
.....
567,542.20	172,163.71	12,262.31	83,744.13	30,515.96	89,290.16	204,293.20
105,140.70	35,508.72	3,914.54	5,453.58	6,765.37	26,150.98	41,362.94
462,401.50	136,654.99	8,347.77	78,290.55	23,750.59	63,139.18	162,930.26
38,101.95	100.00	3,112.79	2,320.69	2,096.48	23,981.34	25,357.96
40,000.00	9,600.00	2,500.00	16,000.00	1,000.00	20,000.00	12,800.00
4,064.02	7,468.88	33.22	2,551.36	1,197.40	503.86	16,018.60
2,802.54	16,259.12	.....	4,688.67	504.65	29.75	11,182.46
.....
1,518.48	348.01	.....	438.00	.....	.....	827.06
.....	.....	2,483.78	.....	.....	.....	.....
548,888.49	170,431.00	16,477.56	104,289.27	28,549.12	107,654.13	229,116.34
350,831.03	110,954.75	14,712.01	19,055.70	18,280.28	85,130.73	125,916.71
899,719.52	281,385.75	31,189.57	123,344.97	46,829.40	192,784.86	355,033.05
.....
117,000.00	23,300.00	.....	.....	.....	.....	.....
561.78	612.14	.....	3,451.53	197.82	174.67	362.58
.....	5,154.84	.....	.....	.....	.....	.....
16,696.77	353.00	7.22	2,340.04	125.10	155.00	2,607.70
134,258.55	29,419.98	7.22	5,791.57	322.92	329.67	2,970.28
350,831.03	110,954.75	14,712.01	19,055.70	18,280.28	85,130.73	125,916.71
582.33	1,352.49	.....	.....	94.03	.....	.....
351,413.36	112,307.24	14,712.01	19,055.70	18,374.31	85,130.73	125,916.71
135,000.00	23,995.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00
301,536.26	126,381.81	11,970.34	66,861.70	23,912.17	81,972.83	156,146.06
22,488.65	10,718.50	.....	.....	.....	.....	.....
414,047.61	139,658.53	16,470.34	98,497.70	28,132.17	107,324.46	226,146.06
899,719.52	281,385.75	31,189.57	123,344.97	46,829.40	192,784.86	355,033.05

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Neustadt	Newboro	Newburgh	Newbury	Newcastle
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....					107.37
Substation equipment.....					
Distribution system, overhead....	14,897.38	12,779.92	18,253.91	8,334.83	24,286.27
Distribution system, underground..					
Line transformers.....	10,098.79	3,146.51	5,616.80	2,966.14	10,779.74
Meters.....	4,233.40	2,846.12	4,289.54	2,015.99	8,020.06
Street light equipment, regular....	1,923.96	1,123.62	1,312.74	894.16	2,513.78
Miscellaneous construction expense	263.86	1,339.57	283.84	44.73	804.07
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	31,417.39	21,235.74	29,756.83	14,255.85	46,511.29
Less reserve for depreciation.....	8,247.26	1,961.20	12,270.04	7,548.65	16,410.18
	23,170.13	19,274.54	17,486.79	6,707.20	30,101.11
Bank and cash balance.....	1,338.07	3,571.95	1,341.10	5,376.21	6,744.60
Securities and investments.....	13,700.00	3,000.00	3,000.00	6,500.00	10,500.00
Accounts receivable.....	66.48	168.91	287.76	506.25	162.78
Inventories.....					1,757.65
Sinking fund on local debentures..					
Other assets.....		414.45			
Frequency standardization expendi- ture in suspense.....				33.00	
	38,274.68	26,429.85	22,115.65	19,122.66	49,266.14
Equity in H-E.P.C. systems.....	13,728.52	721.57	1,207.28	10,228.64	13,879.65
Total.....	52,003.20	27,151.42	23,322.93	29,351.30	63,145.79
LIABILITIES					
Debenture balance.....		14,353.14	10,450.00		
Accounts payable.....		847.50	184.28		
Bank overdraft.....					
Other liabilities.....	373.85	88.00	114.00	67.84	
Total liabilities.....	373.85	15,288.64	10,748.28	67.84	
RESERVES					
For equity in H-E.P.C. systems....	13,728.52	721.57	1,207.28	10,228.64	13,879.65
Other reserves.....					
	13,728.52	721.57	1,207.28	10,228.64	13,879.65
SURPLUS					
Debentures paid.....	15,504.12	2,646.86	3,550.00	9,754.39	14,000.00
Local sinking fund.....					
Operating surplus.....	22,396.71	8,494.35	7,817.37	9,300.43	35,266.14
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	37,900.83	11,141.21	11,367.37	19,054.82	49,266.14
Total.....	52,003.20	27,151.42	23,322.93	29,351.30	63,145.79

Utilities as at December 31, 1953

New Hamburg	Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp.	Norwich
\$	\$	\$	\$	\$	\$	\$
4,238.26	4,000.00	65,433.93	4,463.20	153,248.86	147,074.41	4,697.92
1,319.80	5,000.00	45,487.10	53,999.94	408,743.33	875,718.92	.....
40,050.14	118,718.18	176,149.88	62,658.84	357,745.79	3,050,346.00	17,062.82
.....	.....	17,198.72	.....	66,713.04	.....	.....
24,552.46	72,093.68	131,937.35	42,610.07	273,963.41	1,469,874.88	14,528.74
16,607.76	49,135.32	88,668.66	25,011.08	203,487.47	785,666.31	13,486.51
3,495.27	25,491.26	27,379.39	5,260.60	134,853.38	156.00	5,509.48
5,279.44	4,820.48	9,344.98	2,526.63	29,430.37	186,343.93	3,646.80
.....
.....
95,543.13	279,258.92	561,600.01	196,530.36	1,628,185.65	6,515,180.45	58,932.27
21,421.61	59,057.03	106,145.11	46,184.46	469,744.53	665,040.63	15,760.68
74,121.52	220,201.89	455,454.90	150,345.90	1,158,441.12	5,850,139.82	43,171.59
50.75	25.00	28,964.80	24,233.25	6,855.01	103,230.17	2,782.93
.....	.....	70,000.00	.....	135,000.00	10,000.00	10,000.00
1,196.03	6,849.91	5,057.97	5,460.74	5,895.59	186,828.80	1,318.27
2,102.87	91.28	15,578.97	12,973.87	47,431.72	148,040.05	2,572.80
.....
20.50	20.00	.....	.....	8,452.98	299.52	365.11
13,409.15	.....	.....	.....	.....	402,224.57	.....
90,900.82	227,188.08	575,056.64	193,013.76	1,362,076.42	6,700,762.93	60,210.70
113,691.33	58,581.38	1,184,720.72	83,439.52	1,269,311.70	932,413.88	82,861.90
204,592.15	285,769.46	1,759,777.36	276,453.28	2,631,388.12	7,633,176.81	143,072.60
.....
.....	53,409.64	.....	33,200.00	.....	3,813,152.34	.....
2,759.20	4,478.64	3.00	228.76	25,522.29	254,661.55	2,700.00
8,243.24	728.71	.....	.....	21,666.27	.....	.....
112.50	2,508.42	7,786.20	1,444.41	32,277.30	85,184.26	726.01
11,114.94	61,125.41	7,789.20	34,873.17	79,465.86	4,152,998.15	3,426.01
113,691.33	58,581.38	1,184,720.72	83,439.52	1,269,311.70	932,413.88	82,861.90
33.83	577.48	719.48	1,250.67	856.68	29,223.26	388.53
113,725.16	59,158.86	1,185,440.20	84,690.19	1,270,168.38	961,637.14	83,250.43
17,729.08	11,590.36	8,000.00	47,307.67	690,243.00	914,869.53	13,756.00
62,022.97	153,894.83	587,788.09	109,582.25	609,367.11	1,603,671.99	42,640.16
.....	.....	29,240.13	.....	17,856.23	.....	.....
79,752.05	165,485.19	566,547.96	156,889.92	1,281,753.88	2,518,541.52	56,396.16
204,592.15	285,769.46	1,759,777.36	276,453.28	2,631,388.12	7,633,176.81	143,072.60

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Norwood	Oakville	Oil Springs	Omamee
ASSETS	\$	\$	\$	\$
Lands and buildings.....		35,521.71	6,457.31	200.00
Substation equipment.....		137,824.59	2,461.78	769.83
Distribution system, overhead.....	56,027.80	203,831.73	18,188.70	23,196.92
Distribution system, underground.....		14,978.67		
Line transformers.....	11,971.68	107,861.09	9,673.56	10,663.34
Meters.....	10,386.17	81,412.84	5,790.28	6,267.51
Street light equipment, regular.....	7,644.90	28,856.23	1,015.13	2,771.61
Miscellaneous construction expense.....	345.45	21,687.28	196.05	384.00
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	86,376.00	631,974.14	43,782.81	44,253.21
Less reserve for depreciation.....	11,478.52	129,930.36	17,120.30	15,983.99
	74,897.48	502,043.78	26,662.51	28,269.22
Bank and cash balance.....	4,598.72	94,049.07	5,208.22	4,315.56
Securities and investments.....			12,500.00	11,000.00
Accounts receivable.....	3,366.12	27,561.40	50.28	138.13
Inventories.....		31,512.55	397.02	
Sinking fund on local debentures.....				
Other assets.....		65.86	15.47	
Frequency standardization expenditure in suspense.....				
	82,862.32	655,232.66	44,833.50	43,722.91
Equity in H-E.P.C. systems.....	18,363.47	46,635.85	50,461.53	9,078.22
Total.....	101,225.79	701,868.51	95,295.03	52,801.13
LIABILITIES				
Debenture balance.....	16,000.00	348,000.00		
Accounts payable.....	848.39	42,094.07	55.00	374.51
Bank overdraft.....				
Other liabilities.....	523.87	6,745.00	40.00	157.83
Total liabilities.....	17,372.26	396,839.07	95.00	532.34
RESERVES				
For equity in H-E.P.C. systems.....	18,363.47	46,635.85	50,461.53	9,078.22
Other reserves.....		6,229.10		45.14
	18,363.47	52,864.95	50,461.53	9,123.36
SURPLUS				
Debentures paid.....	39,100.00	3,000.00	16,721.31	12,000.00
Local sinking fund.....				
Operating surplus.....	26,390.06	249,186.13	28,017.19	31,145.43
Net frequency standardization expense charged this year.....		21.64		
Total surplus.....	65,490.06	252,164.49	44,738.50	43,145.43
Total.....	101,225.79	701,868.51	95,295.03	52,801.13

Utilities as at December 31, 1953

Orange- ville	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
\$	\$	\$	\$	\$	\$	\$
2,585.07		217,375.28	2,200,772.18	738.91	74,667.03	
		463,486.84	4,341,369.01		107,529.45	1,923.46
75,203.91	15,247.65	883,881.81	3,351,922.66	14,550.08	268,087.40	22,483.83
		248,316.69	849,739.63		17,216.10	
38,150.76	9,822.60	356,638.45	2,339,735.20	12,070.76	117,325.64	9,786.68
26,932.64	5,957.60	307,732.60	1,219,278.33	5,607.37	119,213.43	6,915.21
27,291.48	2,342.07	192,391.17	434,004.28	1,979.19	65,387.64	3,124.45
1,237.99	1,641.19	79,333.26	126,458.09	836.22	11,393.44	228.12
			1,732,299.79			
171,401.85	35,011.11	2,749,156.10	16,595,579.17	35,782.53	780,820.13	44,461.75
36,567.23	6,507.50	477,117.22	4,178,268.83	10,678.44	129,104.19	8,130.02
134,834.62	28,503.61	2,272,038.88	12,417,310.34	25,104.09	651,715.94	36,331.73
2,432.30	2,247.91	108,968.80	592,245.58	1,471.84	35,090.00	6,825.75
11,000.00	8,000.00	350,000.00	313,000.00	2,000.00	70,000.00	4,500.00
1,855.65	216.95	161,571.58	625,291.67	184.69	44,403.42	77.50
8,778.80	1,276.98	82,777.47	383,878.23	201.00	43,532.51	425.00
1,713.39	560.96	4,707.82	6,262.46			
160,614.76	40,806.41	2,980,064.55	14,337,988.28	28,961.62	844,741.87	48,159.98
116,436.69	6,529.52	1,613,494.47	1,275,416.39	21,402.69	605,521.57	26,923.85
277,051.45	47,335.93	4,593,559.02	15,613,404.67	50,364.31	1,450,263.44	75,083.83
		200,000.00	5,894,000.00		83,500.00	
450.41		151,945.16	476,294.00	15.24	32,324.11	929.41
1,203.00		44,575.39	112,711.50	111.38	15,209.12	112.42
1,653.41		396,520.55	6,483,005.50	126.62	131,033.23	1,041.83
116,436.69	6,529.52	1,613,494.47	1,275,416.39	21,402.69	605,521.57	26,923.85
40.38		78,244.70	304,962.34	15.54	1,748.73	
116,477.07	6,529.52	1,691,739.17	1,580,378.73	21,418.23	607,270.30	26,923.85
25,594.32	8,000.00	302,622.40	2,086,000.00	4,500.00	124,218.00	13,623.35
133,326.65	32,806.41	2,202,676.90	5,464,020.44	24,380.46	587,741.91	33,494.80
				61.00		
158,920.97	40,806.41	2,505,299.30	7,550,020.44	28,819.46	711,959.91	47,118.15
277,051.45	47,335.93	4,593,559.02	15,613,404.67	50,364.31	1,450,263.44	75,083.83

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Palmerston	Paris	Parkhill	Parry Sound
ASSETS	\$	\$	\$	\$
Lands and buildings.....	247.25	13,837.77		20,310.09
Substation equipment.....		81,662.04		29,078.35
Distribution system, overhead.....	41,475.71	98,688.61	32,135.27	74,859.75
Distribution system, underground.....				
Line transformers.....	26,342.54	61,929.89	17,950.20	43,809.97
Meters.....	15,948.66	31,690.41	10,341.07	40,665.58
Street light equipment, regular.....	13,149.28	20,009.86	9,152.90	21,334.39
Miscellaneous construction expense..	2,152.05	7,631.71	681.39	7,836.26
Steam or hydraulic plant.....				373,137.39
Old plant.....				
Other capital assets.....				
Total plant.....	99,315.49	315,450.29	70,260.83	611,031.78
Less reserve for depreciation.....	31,122.55	92,916.37	7,930.39	131,271.29
	68,192.94	222,533.92	62,330.44	479,760.49
Bank and cash balance.....	1,054.06	11,535.18	7,817.32	3,285.45
Securities and investments.....	20,600.00		6,000.00	37,800.00
Accounts receivable.....	663.12	1,027.76	212.68	4,603.71
Inventories.....	8,572.26	491.44		124.50
Sinking fund on local debentures.....				
Other assets.....	56.00	90.30	3.49	7,510.73
Frequency standardization expenditure in suspense.....	11,551.30	1,420.00		
	110,689.68	237,098.60	76,363.93	533,084.88
Equity in H-E.P.C. systems.....	101,309.52	263,184.04	47,571.33	9,383.39
Total.....	211,999.20	500,282.64	123,935.26	542,468.27
LIABILITIES				
Debenture balance.....		23,400.00	13,200.00	
Accounts payable.....	316.42	1,331.92	549.74	138.98
Bank overdraft.....				
Other liabilities.....	288.36		448.73	7,107.81
Total liabilities.....	604.78	24,731.92	14,198.47	7,246.79
RESERVES				
For equity in H-E.P.C. systems.....	101,309.52	263,184.04	47,571.33	9,383.39
Other reserves.....	263.97	95.97		150.00
	101,573.49	263,280.01	47,571.33	9,533.39
SURPLUS				
Debentures paid.....	27,000.00	93,600.00	16,430.02	388,500.00
Local sinking fund.....				
Operating surplus.....	82,820.93	118,670.71	45,735.44	137,188.09
Net frequency standardization expense charged this year.....				
Total surplus.....	109,820.93	212,270.71	62,165.46	525,688.09
Total.....	211,999.20	500,282.64	123,935.26	542,468.27

Utilities as at December 31, 1953

Penetang- uishene	Perth	Peter- borough	Petrolia	Picton	Plattsville	Point Edward
\$	\$	\$	\$	\$	\$	\$
2,348.68	22,305.80	240,595.24	39,517.89	15,061.79		
15,034.99	19,218.26	674,216.08	4,971.75	52,552.35		
78,406.83	90,999.35	1,021,726.85	76,943.58	71,891.13	9,420.56	57,347.77
		52,947.82				
37,209.64	56,293.48	420,109.63	50,246.60	38,829.77	6,544.25	23,373.45
29,774.01	35,454.14	281,756.07	28,988.51	38,043.88	4,445.48	19,386.01
13,211.70	29,823.74	159,911.61	12,479.93	11,509.76	195.70	10,096.87
1,487.28	7,743.36	34,462.87	7,199.55	2,988.86		1,213.15
177,473.13	261,838.13	2,885,726.17	220,347.81	230,877.54	20,605.99	111,417.25
65,674.47	73,701.35	567,057.90	61,735.55	63,891.17	3,275.70	24,541.99
111,798.66	188,136.78	2,318,668.27	158,612.26	166,986.37	17,330.29	86,875.26
2,050.37		80,898.38	7,079.54	20,676.97	8,877.10	35,578.92
55,000.00	81,000.00			3,500.00	4,500.00	25,000.00
1,795.80	1,301.74	100,500.94	5,433.85	501.63	79.85	3,342.41
440.12	14,224.09	58,235.93	19,291.19	9,017.28		6,209.51
5,268.13		1,296.06	467.75			2,161.30
					35.00	
176,353.08	284,662.61	2,559,599.58	190,884.59	200,682.25	30,822.24	159,167.40
150,799.82	182,802.93	1,064,270.38	222,254.19	151,437.88	24,724.88	182,288.45
327,152.90	467,465.54	3,623,869.96	413,138.78	352,120.13	55,547.12	341,455.85
		506,900.00				
8,000.00		264,931.82	2,638.00		1,349.55	1,852.18
	2.34					
1,365.00	3,962.39	2,506.06	2,457.43	6,957.85		694.87
9,365.00	3,964.73	774,337.88	5,095.43	6,957.85	1,349.55	2,547.05
150,799.82	182,802.93	1,064,270.38	222,254.19	151,437.88	24,724.88	182,288.45
781.75	6,585.10	1,071.34	63.00			113.07
151,581.57	189,388.03	1,065,341.72	222,317.19	151,437.88	24,724.88	182,401.52
36,982.95	85,045.30	543,710.67	50,000.00	3,182.32	5,237.00	17,000.00
129,223.38	189,067.48	1,240,479.69	135,726.16	190,542.08	24,235.69	139,507.28
166,206.33	274,112.78	1,784,190.36	185,726.16	193,724.40	29,472.69	156,507.28
327,152.90	467,465.54	3,623,869.96	413,138.78	352,120.13	55,547.12	341,455.85

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Colborne	Port Credit	Port Dalhousie	Port Dover	Port Elgin
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	57,310.72	5,778.09	5,630.49	248.75	14,173.78
Substation equipment.....					
Distribution system, overhead....	238,324.03	118,930.99	57,846.39	75,425.68	46,466.19
Distribution system, underground..					
Line transformers.....	111,334.46	63,134.30	33,048.64	38,188.25	26,379.55
Meters.....	77,125.77	41,966.92	24,113.72	24,611.84	18,370.25
Street light equipment, regular....	16,613.20	9,783.28	3,278.94	4,402.70	5,732.05
Miscellaneous construction expense	38,715.76	7,646.88	4,220.58	4,531.07	1,505.96
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....		950.06			
Total plant.....	539,423.94	248,190.52	128,138.76	147,408.29	112,627.78
Less reserve for depreciation.....	78,970.01	38,204.20	15,008.26	38,066.64	13,886.54
	460,453.93	209,986.32	113,130.50	109,341.65	98,741.24
Bank and cash balance.....	140.00		1,453.87	9,384.13	2,332.76
Securities and investments.....	15,000.00	1,000.00			4,500.00
Accounts receivable.....	1,239.37	4,875.59	3,840.82	3,395.19	543.18
Inventories.....	7,671.39	8,808.17	3,008.71		1,313.84
Sinking fund on local debentures..					
Other assets.....	383.61		146.79	179.30	
Frequency standardization expendi- ture in suspense.....				151.00	
	484,888.30	224,670.08	121,580.69	122,451.27	107,431.02
Equity in H-E.P.C. systems.....	302,708.02	114,032.92	98,307.66	70,963.13	46,833.57
Total.....	787,596.32	338,703.00	219,888.35	193,414.40	154,264.59
LIABILITIES					
Debenture balance.....		68,955.58	10,892.13	20,000.00	
Accounts payable.....	979.21	4,794.42	687.67	4,573.43	4,076.04
Bank overdraft.....	24,726.29	1,938.86			
Other liabilities.....	7,156.43	3,576.40	2,206.78	1,264.80	
Total liabilities.....	32,861.93	79,265.26	13,786.58	25,838.23	4,076.04
RESERVES					
For equity in H-E.P.C. systems....	302,708.02	114,032.92	98,307.66	70,963.13	46,833.57
Other reserves.....	161.03	550.00	214.16	668.67	
	302,869.05	114,582.92	98,521.82	71,631.80	46,833.57
SURPLUS					
Debentures paid.....	178,000.00	30,544.42	28,607.87	29,000.00	37,787.00
Local sinking fund.....					
Operating surplus.....	273,865.34	128,622.29	78,972.08	66,944.37	65,567.98
Net frequency standardization ex- pense charged this year.....		14,311.89			
Total surplus.....	451,865.34	144,854.82	107,579.95	95,944.37	103,354.98
Total.....	787,596.32	338,703.00	219,888.35	193,414.40	154,264.59

Utilities as at December 31, 1953

Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley	Prescott	Preston
\$	\$	\$	\$	\$	\$	\$
18,685.52				1,574.60	2,761.54	53,468.92
27,998.66						191,963.00
111,410.19	26,686.28	49,226.78	20,484.91	59,103.46	78,417.58	157,292.51
64,827.05	5,214.96	18,183.93	8,381.98	33,053.69	43,305.65	121,258.95
65,610.49	8,019.11	13,772.93	4,603.13	21,928.14	32,529.88	64,459.70
15,624.64	1,296.72	3,416.40	1,446.81	5,396.93	8,935.49	15,608.45
14,228.66	1,163.06	378.21	362.74	3,440.20	5,250.77	17,514.35
						16,484.00
318,385.21	42,380.13	84,978.25	35,279.57	124,497.02	171,200.91	638,049.88
64,570.80	6,611.24	11,984.58	5,494.64	28,660.80	64,850.86	131,076.02
253,814.41	35,768.89	72,993.67	29,784.93	95,836.22	106,350.05	506,973.86
25,420.30	7,448.97	1,628.13	4,305.48	50.00	23,204.19	3,455.77
	1,000.00	16,000.00		18,000.00		
912.37	618.62	1,019.51	1,653.10	1,504.15	8,787.98	14,821.60
14,937.26	234.90			154.00	5,914.41	23,254.88
469.78		1,269.80	10.00	355.91	300.00	3,478.13
			141.48			14,081.76
295,554.12	45,071.38	92,911.11	35,894.99	115,900.28	144,556.63	566,066.00
211,694.93	20,246.00	46,959.73	18,096.09	101,418.95	131,320.80	592,237.01
507,249.05	65,317.38	139,870.84	53,991.08	217,319.23	275,877.43	1,158,303.01
12,400.00	1,800.00				8,800.00	235,900.00
	469.45	2,135.41	186.70		7,805.06	32,385.42
17,587.27	453.57	695.55	295.00	1,126.61		
				353.00	1,662.40	3,084.91
29,987.27	2,723.02	2,830.96	481.70	1,479.61	18,267.46	271,370.33
211,694.93	20,246.00	46,959.73	18,096.09	101,418.95	131,320.80	592,237.01
1,240.40	75.00			363.74		580.89
212,935.33	20,321.00	46,959.73	18,096.09	101,782.69	131,320.80	592,817.90
81,600.00	8,003.58	19,881.66	11,000.00	18,950.00	15,370.99	166,900.00
182,726.45	34,269.78	70,198.49	24,413.29	95,666.93	110,918.18	127,214.78
				560.00		
264,326.45	42,273.36	90,080.15	35,413.29	114,056.93	126,289.17	294,114.78
507,249.05	65,317.38	139,870.84	53,991.08	217,319.23	275,877.43	1,158,303.01

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Priceville	Princeton	Queenston	Renfrew
ASSETS	\$	\$	\$	\$
Lands and buildings.....	68.00			9,393.89
Substation equipment.....				65,497.62
Distribution system, overhead.....	10,342.83	11,604.85	13,631.93	128,989.62
Distribution system, underground.....				
Line transformers.....	2,706.93	5,673.44	5,099.75	80,966.59
Meters.....	1,008.38	3,426.95	3,467.89	57,826.42
Street light equipment, regular.....	854.96	572.92	649.05	43,236.43
Miscellaneous construction expense..	147.20		50.00	9,451.35
Steam or hydraulic plant.....				551,784.09
Old plant.....				
Other capital assets.....				63,153.22
Total plant.....	15,128.30	21,278.16	22,898.62	1,010,299.23
Less reserve for depreciation.....	2,589.34	3,402.55	4,191.22	141,869.93
	12,538.96	17,875.61	18,707.40	868,429.30
Bank and cash balance.....	4,163.78	1,140.52	1,132.81	
Securities and investments.....		6,000.00	6,500.00	
Accounts receivable.....	19.71	778.15	172.69	24,194.76
Inventories.....				25,433.91
Sinking fund on local debentures.....				
Other assets.....				
Frequency standardization expenditure in suspense.....		24.00	164.00	
	16,722.45	25,818.28	26,676.90	918,057.97
Equity in H-E.P.C. systems.....	2,300.87	23,411.64	16,602.85	25,441.51
Total.....	19,023.32	49,229.92	43,279.75	943,499.48
LIABILITIES				
Debenture balance.....	5,175.00			203,869.84
Accounts payable.....	1,276.21	551.96	7.61	10,748.79
Bank overdraft.....				11,790.69
Other liabilities.....			190.00	
Total liabilities.....	6,451.21	551.96	197.61	226,409.32
RESERVES				
For equity in H-E.P.C. systems.....	2,300.87	23,411.64	16,602.85	25,441.51
Other reserves.....				562.14
	2,300.87	23,411.64	16,602.85	26,003.65
SURPLUS				
Debentures paid.....	6,991.10	3,550.00	9,500.00	507,366.89
Local sinking fund.....				
Operating surplus.....	3,280.14	21,716.32	16,979.29	183,719.62
Net frequency standardization expense charged this year.....				
Total surplus.....	10,271.24	25,266.32	26,479.29	691,086.51
Total.....	19,023.32	49,229.92	43,279.75	943,499.48

Utilities as at December 31, 1953

Richmond	Richmond Hill	Ridgetown	Ripley	Riverside	Rockwood	Rodney
\$	\$	\$	\$	\$	\$	\$
.....	60.00	5,181.10	.....	12,861.37	.....	.....
.....	600.00	1,024.24	.....	8,849.98	.....	.....
12,559.74	72,231.17	52,839.59	15,864.30	194,568.09	14,739.07	17,204.80
8,675.26	60,936.17	26,706.41	7,733.59	84,839.82	7,626.77	12,802.11
4,865.05	32,987.58	16,421.16	4,106.57	73,970.83	6,080.43	7,951.90
381.43	6,341.63	8,789.25	2,188.74	.....	1,376.34	4,111.99
216.35	1,345.55	300.54	.....	8,548.88	.....	147.11
.....
.....
26,697.83	174,502.10	111,262.29	29,893.20	383,638.97	29,822.61	42,217.91
3,811.88	29,416.42	17,407.42	4,150.24	79,412.33	10,929.83	11,903.06
22,885.95	145,085.68	93,854.87	25,742.96	304,226.64	18,892.78	30,314.85
166.41	12,691.68	50.00	10,317.39	200.00	3,862.03	779.07
.....	.....	.....	.....	.....	3,300.00	8,200.00
802.21	1,255.39	946.08	150.02	18,332.08	2.50	184.83
.....	.....	496.42	.....	14,234.59	88.83	.....
.....	1,500.00	21.50	.....	271.13	13.34	.....
.....	.....	.....	.....	10,721.69	.....	.....
23,854.57	160,532.75	95,368.87	36,210.37	347,986.13	26,159.48	39,478.75
10,019.69	60,468.69	98,759.03	19,903.58	210,850.71	26,290.48	32,123.64
33,874.26	221,001.44	194,127.90	56,113.95	558,836.84	52,449.96	71,602.39
.....
1,282.42	69,348.13	.....	.....	37,511.09	.....	.....
.....	16,811.29	3,563.38	372.52	33,811.62	326.55	2,071.57
190.45	3,365.74	3,813.70	.....	6,990.63	.....	.....
.....	.....	1,492.50	701.63	3,784.60	313.93	345.00
1,472.87	89,525.16	8,869.58	1,074.15	82,097.94	640.48	2,416.57
10,019.69	60,468.69	98,759.03	19,903.58	210,850.71	26,290.48	32,123.64
.....	1,024.50	205.93	.....	530.19	.....	73.15
10,019.69	61,493.19	98,964.96	19,903.58	211,380.90	26,290.48	32,196.79
5,887.33	12,851.87	19,455.99	12,744.49	89,988.91	4,500.00	8,500.00
16,494.37	57,131.22	67,461.29	22,391.73	198,621.94	21,019.00	28,499.03
.....	.....	623.92	.....	23,252.85	.....	10.00
22,381.70	69,983.09	86,293.36	35,136.22	265,358.00	25,519.00	36,989.03
33,874.26	221,001.44	194,127.90	56,113.95	558,836.84	52,449.96	71,602.39

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Rosseau	Russell	St. Catharines	St. Clair Beach
ASSETS	\$	\$	\$	\$
Lands and buildings.....			99,488.17	
Substation equipment.....			392,655.65	
Distribution system, overhead.....	10,251.80	15,954.12	589,108.73	21,748.50
Distribution system, underground.....				
Line transformers.....	4,484.63	5,378.42	567,967.32	8,575.91
Meters.....	1,728.89	3,970.27	327,060.16	5,404.66
Street light equipment, regular.....	716.72	1,573.39	53,154.25	1,904.65
Miscellaneous construction expense..	1,121.23	179.87	23,912.40	
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	18,303.27	27,056.07	2,053,346.68	37,633.72
Less reserve for depreciation.....	4,818.57	2,693.83	461,046.66	8,983.62
	13,484.70	24,362.24	1,592,300.02	28,650.10
Bank and cash balance.....	1,143.46	10,126.72	200.00	
Securities and investments.....	1,500.00	1,000.00	150,000.00	
Accounts receivable.....	214.42	970.80	144,139.89	1,599.10
Inventories.....			54,416.13	
Sinking fund on local debentures.....				
Other assets.....			3,181.26	
Frequency standardization expenditure in suspense.....				2,355.58
	16,342.58	36,459.76	1,944,237.30	32,604.78
Equity in H-E.P.C. systems.....	9,452.65	13,947.15	1,920,287.41	17,105.91
Total.....	25,795.23	50,406.91	3,864,524.71	49,710.69
LIABILITIES				
Debenture balance.....				
Accounts payable.....	308.39	109.37	134,134.38	88.15
Bank overdraft.....			155,079.30	4,074.83
Other liabilities.....	40.00	130.00	30,768.50	165.00
Total liabilities.....	348.39	239.37	319,982.18	4,327.98
RESERVES				
For equity in H-E.P.C. systems.....	9,452.65	13,947.15	1,920,287.41	17,105.91
Other reserves.....	68.74		3,202.67	34.74
	9,521.39	13,947.15	1,923,490.08	17,140.65
SURPLUS				
Debentures paid.....	13,000.00	8,808.12	302,022.91	6,341.45
Local sinking fund.....				
Operating surplus.....	2,925.45	27,412.27	1,334,137.25	21,900.61
Net frequency standardization expense charged this year.....			15,107.71	
Total surplus.....	15,925.45	36,220.39	1,621,062.45	28,242.06
Total.....	25,795.23	50,406.91	3,864,524.71	49,710.69

Utilities as at December 31, 1953

St. George	St. Jacobs	St. Mary's	St. Thomas	Sarnia	Scarborough Twp.
\$	\$	\$	\$	\$	\$
		21,611.43	192,435.28	227,641.56	631,176.68
		46,579.17	186,795.86	412,332.05	370,689.02
11,427.37	15,477.90	109,908.19	227,712.08	664,754.11	1,531,652.60
			101,034.54	240,547.42	
9,173.62	11,984.55	64,531.86	142,667.86	330,443.32	921,782.95
5,465.55	5,153.29	40,361.08	104,236.90	315,098.61	475,965.35
2,306.53	560.54	10,255.26	43,913.31	69,641.58	124,054.79
211.00	24.50	16,890.35	19,199.04	88,385.78	215,469.30
28,584.07	33,200.78	310,137.34	1,017,994.87	2,348,844.43	4,270,790.69
4,035.18	6,502.69	82,237.77	305,149.55	439,078.81	241,071.20
24,548.89	26,698.09	227,899.57	712,845.32	1,909,765.62	4,029,719.49
4,536.11	919.27	20,329.62	300.00	300.00	291,828.38
12,000.00	10,000.00	22,500.00	30,000.00		
1,592.02	481.97	5,407.49	44,077.38	177,325.12	488,188.16
		8,893.32	44,082.59	103,507.86	117,757.48
	25.00	839.73	1,440.75	17,963.25	1,976.78
	3,662.56		12,642.70		
42,677.02	41,786.89	285,869.73	845,388.74	2,208,861.85	4,929,470.29
32,155.89	40,898.53	296,265.19	1,139,157.24	1,521,412.99	660,623.52
74,832.91	82,685.42	582,134.92	1,984,545.98	3,730,274.84	5,590,093.81
		69,772.13		375,700.00	2,963,000.00
44.80	5,330.79	477.46		311,349.60	224,662.99
			37,574.82	164,132.36	
675.00		1,699.00	28,584.25	32,362.15	267,035.26
719.80	5,330.79	71,948.59	66,159.07	883,544.11	3,454,698.25
32,155.89	40,898.53	296,265.19	1,139,157.24	1,521,412.99	660,623.52
		701.02	331.01	18,585.25	34,998.09
32,155.89	40,898.53	296,966.21	1,139,488.25	1,539,998.24	695,621.61
6,000.00	6,000.00	124,488.25	138,944.07	412,300.00	417,568.27
35,957.22	30,456.10	110,213.99	640,943.92	894,432.49	1,022,205.68
		21,482.12	989.33		
41,957.22	36,456.10	213,220.12	778,898.66	1,306,732.49	1,439,773.95
74,832.91	82,685.42	582,134.92	1,984,545.98	3,730,274.84	5,590,093.81

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Seaforth	Shelburne	Simcoe	Smith's Falls
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,027.80	800.00	12,797.99	66,365.03
Substation equipment.....	22,323.51	566.60	77,309.42	76,257.78
Distribution system, overhead.....	52,995.51	35,142.59	113,261.82	144,619.27
Distribution system, underground.....			1,412.24	
Line transformers.....	30,087.81	21,033.86	98,825.77	87,762.99
Meters.....	20,313.86	13,018.49	63,987.14	62,712.79
Street light equipment, regular.....	8,611.42	9,823.41	46,075.67	33,891.65
Miscellaneous construction expense..	2,657.28	140.08	15,458.12	6,143.18
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				16,601.88
Total plant.....	140,017.19	80,525.03	429,128.17	494,354.57
Less reserve for depreciation.....	13,856.24	22,638.03	98,450.71	114,362.94
	126,160.95	57,887.00	330,677.46	379,991.63
Bank and cash balance.....	18,819.99	4,201.35	30.00	1,501.08
Securities and investments.....	9,000.00			17,000.00
Accounts receivable.....	5,329.77	1,193.11	2,999.72	1,037.04
Inventories.....	523.44		17,877.63	14,664.37
Sinking fund on local debentures.....				
Other assets.....	215.70	440.00	16,372.22	
Frequency standardization expenditure in suspense.....			2,079.00	
	160,049.85	63,721.46	370,036.03	414,194.12
Equity in H-E.P.C. systems.....	142,084.98	46,963.40	289,662.49	277,575.58
Total.....	302,134.83	110,684.86	659,698.52	691,769.70
LIABILITIES				
Debenture balance.....	40,389.15			25,000.00
Accounts payable.....	1,191.07	2,787.61	799.43	
Bank overdraft.....			3,360.82	
Other liabilities.....	1,729.06	101.00	4,299.46	439.18
Total liabilities.....	43,309.28	2,888.61	8,459.71	25,439.18
RESERVES				
For equity in H-E.P.C. systems.....	142,084.98	46,963.40	289,662.49	277,575.58
Other reserves.....				1,081.83
	142,084.98	46,963.40	289,662.49	278,657.41
SURPLUS				
Debentures paid.....	34,610.85	16,991.04	75,434.90	122,787.33
Local sinking fund.....				
Operating surplus.....	93,512.54	43,841.81	286,141.42	264,885.78
Net frequency standardization expense charged this year.....	11,382.82			
Total surplus.....	116,740.57	60,832.85	361,576.32	387,673.11
Total.....	302,134.83	110,684.86	659,698.52	691,769.70

Utilities as at December 31, 1953

Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
\$	\$	\$	\$	\$	\$
.....	6,369.30	.....	35,597.18	.....	9,266.88
18,788.64	53,143.47	15,779.27	138,803.25	33,261.37	33,825.83
.....	.....	.....	497,019.12	.....	13,245.76
7,240.77	29,926.45	7,364.12	252,998.10	16,722.90	10,554.76
6,925.21	18,941.86	3,139.60	180,625.37	13,651.95	10,198.46
1,871.10	8,989.85	1,871.02	35,561.69	7,535.84	3,559.79
2,169.42	1,078.55	123.97	32,953.42	564.38	1,220.36
.....
.....
36,995.14	118,449.48	28,277.98	1,173,558.13	71,736.44	81,871.84
8,201.83	9,197.44	6,817.03	199,007.72	12,662.40	25,498.24
28,793.31	109,252.04	21,460.95	974,550.41	59,074.04	56,373.60
2,109.87	15.00	6,434.21	66,788.47	1,036.78	14,509.73
12,500.00	.....	500.00	6,000.00	4,000.00	.....
159.76	629.25	131.93	10,428.70	2,297.12	2,676.90
484.00	.....	.....	44,598.42	.....	1,616.74
.....	.....	.....	2,573.85	.....	.....
.....	.....	.....	1,975.00	.....	.....
44,046.94	109,896.29	28,527.09	1,106,914.85	66,407.94	75,176.97
12,775.22	45,497.30	19,810.46	273,485.76	41,878.82	27,138.55
56,822.16	155,393.59	48,337.55	1,380,400.61	108,286.76	102,315.52
.....
85.32	950.58	29.22	522,927.36	.....	13,000.00
.....	127.74	.....	3,456.37	4,525.11	.....
51.00	6,129.17	35.00	11,323.24	329.18	460.93
136.32	7,207.49	64.22	537,706.97	4,854.29	13,460.93
12,775.22	45,497.30	19,810.46	273,485.76	41,878.82	27,138.55
.....	.....	13.86	28,368.74	25.20	.....
12,775.22	45,497.30	19,824.32	301,854.50	41,904.02	27,138.55
15,000.00	30,522.93	9,500.00	292,350.81	9,557.26	10,000.00
28,910.62	72,165.87	19,042.77	258,324.71	51,971.19	51,716.04
.....	.....	93.76	9,836.38	.....	.....
43,910.62	102,688.80	28,449.01	540,839.14	61,528.45	61,716.04
56,822.16	155,393.59	48,337.55	1,380,400.61	108,286.76	102,315.52

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy
ASSETS	\$	\$	\$	\$
Lands and buildings.....			143,651.24	15,029.34
Substation equipment.....			285,475.74	64,691.24
Distribution system, overhead.....	67,833.38	30,036.78	208,334.97	81,853.94
Distribution system, underground.....			22,971.15	
Line transformers.....	55,858.69	24,143.03	208,849.71	54,441.19
Meters.....	27,464.51	12,540.17	138,227.68	30,616.08
Street light equipment, regular.....	5,798.71	2,673.75	22,991.41	9,753.71
Miscellaneous construction expense.....	1,122.64		47,765.48	17,676.52
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	158,077.93	69,393.73	1,078,267.38	274,062.02
Less reserve for depreciation.....	10,104.46	10,644.17	520,156.11	66,138.54
	147,973.47	58,749.56	558,111.27	207,923.48
Bank and cash balance.....	10,842.44	1,797.84	6,216.66	84.29
Securities and investments.....		4,000.00	244,000.00	
Accounts receivable.....	323.81	178.15	25,133.13	986.22
Inventories.....			50,883.20	667.45
Sinking fund on local debentures.....			47,690.13	
Other assets.....			3,537.83	462.04
Frequency standardization expenditure in suspense.....			111,384.02	
	159,139.72	64,725.55	1,046,956.24	210,123.48
Equity in H-E.P.C. systems.....	11,814.90	49,081.47	1,302,488.06	212,677.37
Total.....	170,954.62	113,807.02	2,349,444.30	422,800.85
LIABILITIES				
Debenture balance.....	62,415.09		50,000.00	
Accounts payable.....	18,505.03	4,838.31	2,551.05	4,071.61
Bank overdraft.....			3,038.83	
Other liabilities.....	653.00	1,129.41	9,221.66	2,051.59
Total liabilities.....	81,573.12	5,967.72	64,811.54	6,123.20
RESERVES				
For equity in H-E.P.C. systems.....	11,814.90	49,081.47	1,302,488.06	212,677.37
Other reserves.....	1,034.81	50.96	2,597.77	121.05
	12,849.71	49,132.43	1,305,085.83	212,798.42
SURPLUS				
Debentures paid.....	7,584.91	14,673.90	405,800.00	53,888.85
Local sinking fund.....			47,690.13	
Operating surplus.....	68,946.88	44,032.97	526,056.80	149,990.38
Net frequency standardization expense charged this year.....				
Total surplus.....	76,531.79	58,706.87	979,546.93	203,879.23
Total.....	170,954.62	113,807.02	2,349,444.30	422,800.85

Utilities as at December 31, 1953

Streetsville	Sunderland	Sundridge	Sutton	Swansea	Tara
\$	\$	\$	\$	\$	\$
12,960.05				6,383.14	
1,172.04				88,195.10	
27,222.87	12,471.66	20,794.53	36,444.59	156,465.72	18,779.72
20,652.81	5,442.29	10,632.09	28,908.17	81,598.24	5,665.52
11,282.08	4,902.80	3,720.82	18,321.98	59,903.97	4,458.90
5,331.36	2,414.37	1,266.67	3,443.64	25,237.20	2,782.30
158.35	379.24	2,395.82	1,525.67	17,743.33	93.95
10,641.55		8,815.49			
89,421.11	25,610.36	47,625.42	88,644.05	435,526.70	31,780.39
11,477.37	5,535.72	2,827.00	19,229.86	61,829.43	5,674.77
77,943.74	20,074.64	44,798.42	69,414.19	373,697.27	26,105.62
200.29	5,799.28	1,465.13	5,198.52	103,482.39	8,136.67
3,096.85	448.17	240.77	7,000.00	2,381.53	190.83
53.79			2,908.12	157.42	
192.50				287.19	
81,487.17	26,322.09	46,504.32	84,520.83	2138.27	
22,092.37	23,554.87	330.51	46,969.09	482,144.07	34,433.12
103,579.54	49,876.96	46,834.83	131,489.92	250,635.70	20,939.57
7,414.84	39.09	33,941.51		732,779.77	55,372.69
737.69	10.00	3,049.00	2,130.77	152,908.06	
8,152.53	49.09	10.00	15.00	211.11	
22,092.37	23,554.87	37,000.51	2,145.77	6,834.92	
128.81	10.37	330.51	25,325.00	159,954.09	
22,221.18	23,565.24	330.51	46,969.09	250,635.70	20,939.57
17,545.08	4,627.78	1,058.49	148.87	345.59	
55,660.75	21,634.85	8,445.32	47,117.96	250,981.29	20,939.57
73,205.83	26,262.63	9,503.81	25,325.00	99,758.00	14,263.64
103,579.54	49,876.96	46,834.83	56,901.19	242,830.84	20,169.48
				20,745.35	
			82,226.19	321,844.39	34,433.12
			131,489.92	732,779.77	55,372.69

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tavistock	Tecumseh	Teeswater	Thamesford
ASSETS	\$	\$	\$	\$
Lands and buildings.....	3,783.53	3,747.52	2,139.28	.....
Substation equipment.....	320.18	.....	.....	.....
Distribution system, overhead.....	28,290.68	77,013.53	29,608.22	17,308.14
Distribution system, underground.....	.....	.....	.....	.....
Line transformers.....	18,008.46	32,661.21	11,280.69	8,713.44
Meters.....	12,283.37	25,812.51	8,346.81	5,860.28
Street light equipment, regular.....	1,392.54	.....	4,404.10	944.09
Miscellaneous construction expense.....	5,858.45	1,195.69	255.15	125.74
Steam or hydraulic plant.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....
Total plant.....	69,937.21	140,430.46	56,034.25	32,951.69
Less reserve for depreciation.....	18,992.97	36,623.60	11,295.66	5,799.77
	50,944.24	103,806.86	44,738.59	27,151.92
Bank and cash balance.....	523.25	50.00	2,922.57	.....
Securities and investments.....	.....	.....	11,000.00	.....
Accounts receivable.....	304.00	3,190.82	3.00	186.65
Inventories.....	2,848.02	1,349.57	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....
Other assets.....	26.00	.....	.....	.....
Frequency standardization expenditure in suspense.....	.....	12,722.07	.....	.....
	54,645.51	121,119.32	58,664.16	27,338.57
Equity in H-E.P.C. systems.....	104,675.40	68,333.56	30,630.14	40,613.60
Total.....	159,320.91	189,452.88	89,294.30	67,952.17
LIABILITIES				
Debenture balance.....	19,328.35	.....	.....	2,800.00
Accounts payable.....	148.62	1,313.11	103.79	84.97
Bank overdraft.....	.....	1,875.28	.....	2,901.93
Other liabilities.....	.....	1,052.52	889.00	104.97
Total liabilities.....	19,476.97	4,240.91	992.79	5,891.87
RESERVES				
For equity in H-E.P.C. systems.....	104,675.40	68,333.56	30,630.14	40,613.60
Other reserves.....	858.46	494.01	.....	27.50
	105,533.86	68,827.57	30,630.14	40,641.10
SURPLUS				
Debentures paid.....	6,671.65	26,000.00	21,296.14	5,558.03
Local sinking fund.....	.....	.....	.....	.....
Operating surplus.....	31,501.13	90,384.40	36,375.23	15,861.17
Net frequency standardization expense charged this year.....	3,862.70	.....	.....	.....
Total surplus.....	34,310.08	116,384.40	57,671.37	21,419.20
Total.....	159,320.91	189,452.88	89,294.30	67,952.17

Utilities as at December 31, 1953

Thames- ville	Thedford	Thornbury	Thorndale	Thornton	Thorold
\$	\$	\$	\$	\$	\$
1,083.57					18,900.83
25,800.90	18,016.47	4,304.73			63,111.52
		32,444.58	11,490.70	8,397.04	129,382.95
16,737.52	10,766.31	27,187.39	4,199.63	3,178.16	71,538.57
8,717.19	6,062.42	10,206.67	3,493.84	1,927.17	54,671.76
3,066.93	2,206.22	2,781.12	904.34	560.01	15,801.56
440.34	350.32	505.12	82.69		12,884.34
		36,000.00			
55,846.45	37,401.74	113,429.61	20,171.20	14,062.38	366,291.53
15,835.87	3,407.12	6,874.94	5,296.48	8,024.61	54,986.48
40,010.58	33,994.62	106,554.67	14,874.72	6,037.77	311,305.05
3,860.41	3,408.96	1,728.12	1,387.81	1,404.53	4,473.85
3,000.00	8,000.00		1,100.00		
1,307.49	210.94	2,042.55	845.31	223.92	12,159.97
		7.70			13,481.98
		400.00			113.30
48,178.48	45,614.52	110,733.04	18,207.84	7,666.22	341,534.15
41,763.60	24,515.90	5,285.76	19,730.70	7,819.29	275,799.12
89,942.08	70,130.42	116,018.80	37,938.54	15,485.51	617,333.27
351.32	95.90	33,289.97			58,087.43
848.94	224.33	4,176.06	37.56	356.42	25,850.59
		160.00	51.57	50.00	3,923.50
1,200.26	320.23	37,626.03	89.13	406.42	87,861.52
41,763.60	24,515.90	5,285.76	19,730.70	7,819.29	275,799.12
137.92			27.73		2,114.00
41,901.52	24,515.90	5,285.76	19,758.43	7,819.29	277,913.12
11,187.80	16,500.00	52,710.03	3,086.48	7,199.65	6,912.57
35,652.50	28,794.29	20,396.98	15,004.50	60.15	244,646.00
46,840.30	45,294.29	73,107.01	18,090.98	7,259.80	251,558.63
89,942.08	70,130.42	116,018.80	37,938.54	15,485.51	617,333.27

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tilbury	Tillsonburg	Toronto	Toronto Twp.
ASSETS	\$	\$	\$	\$
Lands and buildings.....	11,987.47	30,585.55	8,136,181.05	137,552.80
Substation equipment.....	.....	76,089.55	21,392,549.31	216,620.86
Distribution system, overhead.....	43,879.59	106,401.01	10,292,108.29	974,317.27
Distribution system, underground.....	.....	.....	6,534,945.47	16,460.83
Line transformers.....	32,520.92	89,311.19	8,669,410.05	419,374.49
Meters.....	18,997.40	49,676.53	4,116,021.09	229,913.87
Street light equipment, regular.....	18,804.13	40,568.53	1,189,984.16	122,993.81
Miscellaneous construction expense..	1,146.70	16,430.40	3,685,529.32	163,658.15
Steam or hydraulic plant.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....
Total plant.....	127,336.21	409,062.76	64,016,728.74	2,280,892.08
Less reserve for depreciation.....	39,849.95	40,144.96	22,392,511.01	229,984.35
	87,486.26	368,917.80	41,624,217.73	2,050,907.73
Bank and cash balance.....	11,875.30	43,438.50	67,255.26	248,944.48
Securities and investments.....	10,000.00	.....	†3,490,894.00	8,000.00
Accounts receivable.....	901.23	717.81	2,997,565.74	80,867.52
Inventories.....	.....	6,703.24	2,545,641.42	79,239.43
Sinking fund on local debentures.....	.....	.....	.....	.....
Other assets.....	203.00	275.79	191,413.54	765.34
Frequency standardization expenditure in suspense.....	.....	.....	.....	.....
	110,465.79	420,053.14	50,916,987.69	2,468,724.50
Equity in H-E.P.C. systems.....	128,932.18	218,354.16	47,484,922.36	392,207.34
Total.....	239,397.97	638,407.30	98,401,910.05	2,860,931.84
LIABILITIES				
Debenture balance.....	.....	165,516.36	.....	1,470,475.81
Accounts payable.....	5,962.93	.....	3,257,762.34	220,286.43
Bank overdraft.....	.....	.....	.....	.....
Other liabilities.....	62.25	6,882.66	206,172.67	14,852.52
Total liabilities.....	6,025.18	172,399.02	3,463,935.01	1,705,614.76
RESERVES				
For equity in H-E.P.C. systems.....	128,932.18	218,354.16	47,484,922.36	392,207.34
Other reserves.....	148.60	3,188.89	5,974,148.81	23,938.85
	129,080.78	221,543.05	53,459,071.17	416,146.19
SURPLUS				
Debentures paid.....	14,000.00	50,483.64	29,290,934.57	158,524.25
Local sinking fund.....	.....	.....	.....	.....
Operating surplus.....	90,331.01	193,981.59	12,187,969.30	664,235.59
Net frequency standardization expense charged this year.....	39.00	.....	.....	83,588.95
Total surplus.....	104,292.01	244,465.23	41,478,903.87	739,170.89
Total.....	239,397.97	638,407.30	98,401,910.05	2,860,931.84

†Estimated market value, Dec. 31, 1953.

Utilities as at December 31, 1953

Tottenham	Trafalgar Twp.	Trenton	Tweed	Uxbridge	Vankleek Hill
\$	\$	\$	\$	\$	\$
.....	19,938.73	6,604.06	.....	.....	.....
.....	2,735.50	88,479.33	.....	2,657.65	.....
15,096.05	183,885.13	231,966.91	55,221.63	37,909.59	38,382.24
.....
6,081.38	90,334.47	87,982.92	22,543.76	18,379.71	8,249.20
4,734.21	43,809.02	73,788.08	11,597.65	14,238.59	8,433.13
2,053.21	579.11	40,392.18	9,785.39	10,614.99	2,116.27
622.51	30,898.33	8,132.84	15.75	364.38	1,685.80
.....
.....
.....
28,587.36	372,180.29	537,346.32	99,164.18	84,164.91	58,866.64
4,457.40	12,141.59	152,378.84	11,234.76	11,718.77	13,746.09
.....
24,129.96	360,038.70	384,967.48	87,929.42	72,446.14	45,120.55
.....
3,880.57	4,874.53	22,110.32	21,619.00	12,137.24	3,647.87
.....	.....	65,000.00	23,000.00	10,000.00	.....
342.83	10,255.13	5,196.11	757.50	535.96	4,158.84
.....	19,705.45	14,940.11	949.81	43.05	.....
.....
294.36	765.36	322.84	900.00	100.00	.....
.....
.....
28,647.72	395,639.17	492,536.86	135,155.73	95,262.39	52,927.26
25,404.49	48,628.65	301,639.30	33,819.83	52,585.40	.....
.....
54,052.21	444,267.82	794,176.16	168,975.56	147,847.79	52,927.26
.....
.....
7,145.45	181,137.55	.....	.....	.....	46,000.00
52.05	72,624.12	.....	24,257.95	2,265.63	195.40
.....
418.25	4,850.49	7,193.70	356.00	1,402.00	.....
.....
7,615.75	258,612.16	7,193.70	24,613.95	3,667.63	46,195.40
.....
25,404.49	48,628.65	301,639.30	33,819.83	52,585.40	.....
.....	767.66	.....	88.07	184.37	2,025.00
.....
25,404.49	49,396.31	301,639.30	33,907.90	52,769.77	2,025.00
.....
14,289.52	42,750.01	164,586.70	19,000.00	15,364.09	.....
.....
6,742.45	93,509.34	320,756.46	91,453.71	76,046.30	4,706.86
.....
.....
21,031.97	136,259.35	485,343.16	110,453.71	91,410.39	4,706.86
.....
54,052.21	444,267.82	794,176.16	168,975.56	147,847.79	52,927.26

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Victoria Harbour	Walkerton	Wallaceburg	Wardsville
ASSETS	\$	\$	\$	\$
Lands and buildings.....		47.92	58,396.05	
Substation equipment.....			149,473.67	
Distribution system, overhead.....	17,413.42	74,056.81	177,103.09	9,362.69
Distribution system, underground.....				
Line transformers.....	4,978.23	47,146.28	119,332.48	4,106.89
Meters.....	7,067.48	28,227.62	62,746.20	2,749.89
Street light equipment, regular.....	540.10	12,667.97	26,610.56	662.94
Miscellaneous construction expense..	125.82	6,288.59	16,477.80	63.32
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	30,125.05	168,435.19	610,139.85	16,945.73
Less reserve for depreciation.....	8,804.14	15,483.54	133,072.57	4,186.77
	21,320.91	152,951.65	477,067.28	12,758.96
Bank and cash balance.....	286.47	4,958.99	1,657.34	1,909.53
Securities and investments.....		40,000.00	42,000.00	1,500.00
Accounts receivable.....	409.79	887.31	13,647.68	836.94
Inventories.....		13,586.42	37,955.59	
Sinking fund on local debentures.....				
Other assets.....	220.00		5.62	
Frequency standardization expenditure in suspense.....				
	22,237.17	212,384.37	572,333.51	17,005.43
Equity in H-E.P.C. systems.....	15,443.13	74,508.34	530,366.00	9,659.55
Total.....	37,680.30	286,892.71	1,102,699.51	26,664.98
LIABILITIES				
Debenture balance.....				
Accounts payable.....		7,386.91	409.97	393.13
Bank overdraft.....				
Other liabilities.....		1,535.48	4,858.01	25.00
Total liabilities.....		8,922.39	5,267.98	418.13
RESERVES				
For equity in H-E.P.C. systems.....	15,443.13	74,508.34	530,366.00	9,659.55
Other reserves.....		26.85	4,448.33	25.22
	15,443.13	74,535.19	534,814.33	9,684.77
SURPLUS				
Debentures paid.....	5,878.70	56,748.57	71,536.58	7,562.40
Local sinking fund.....				
Operating surplus.....	16,358.47	146,686.56	491,080.62	8,999.68
Net frequency standardization expense charged this year.....				
Total surplus.....	22,237.17	203,435.13	562,617.20	16,562.08
Total.....	37,680.30	286,892.71	1,102,699.51	26,664.98

Utilities as at December 31, 1953

Warkworth	Waterdown	Waterford	Waterloo	Watford	Waubauskene
\$	\$	\$	\$	\$	\$
200.00	1,397.89	30,584.56	19,090.90		
8,686.00	37,198.72	24,721.92	242,545.24	21,686.77	13,906.97
4,192.45	18,017.48	20,052.99	177,347.09	11,175.37	5,485.15
4,041.34	11,513.15	13,849.77	90,993.88	10,134.54	5,549.29
771.81	2,259.14	3,764.05	38,946.67	2,857.12	613.97
609.19	1,820.49	1,133.11	20,064.81	659.58	
3,618.02					
21,918.81	71,008.98	64,919.73	848,615.06	65,604.28	25,555.38
6,516.83	17,685.25	18,987.54	231,795.17	17,159.47	5,042.18
15,401.98	53,323.73	45,932.19	616,819.89	48,444.81	20,513.20
2,997.39	11,501.47	3,397.62	27,993.26	5,043.32	301.71
4,200.00		11,000.00		8,000.00	
141.94	719.87	123.16	9,746.46	1,665.37	626.41
			44,752.93	797.80	
	20.00	20.00	957.57	1,383.65	15.87
			4,829.62		
22,741.31	65,565.07	60,472.97	705,099.73	65,334.95	21,457.19
10,756.69	50,615.89	73,852.00	673,847.67	61,508.57	12,846.76
33,498.00	116,180.96	134,324.97	1,378,947.40	126,843.52	34,303.95
753.91	15,000.00		280,000.00		
109.73	51.77	53.52	12,942.13	499.39	1,010.00
21.20	174.28	299.00	8,685.00	437.10	
884.84	15,226.05	352.52	301,627.13	936.49	1,010.00
10,756.69	50,615.89	73,852.00	673,847.67	61,508.57	12,846.76
	208.33		3,411.77	57.42	175.00
10,756.69	50,824.22	73,852.00	677,259.44	61,565.99	13,021.76
10,246.09	8,000.00	7,745.53	126,000.00	9,055.77	3,242.34
11,610.38	42,130.69	52,374.92	274,060.83	55,285.27	17,029.85
21,856.47	50,130.69	60,120.45	400,060.83	64,341.04	20,272.19
33,498.00	116,180.96	134,324.97	1,378,947.40	126,843.52	34,303.95

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Welland	Wellesley	Wellington	West Lorne
ASSETS	\$	\$	\$	\$
Lands and buildings.....	104,587.19		225.00	22,593.56
Substation equipment.....	147,095.86			
Distribution system, overhead.....	281,589.33	12,395.94	19,605.53	22,175.17
Distribution system, underground.....	9,495.59			
Line transformers.....	195,738.39	6,245.82	13,134.59	16,087.09
Meters.....	135,984.54	5,544.08	11,190.83	9,042.16
Street light equipment, regular.....	53,421.38	1,184.54	4,568.89	5,426.77
Miscellaneous construction expense.....	20,363.23	1,204.88	1,215.93	469.51
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	948,275.51	26,575.26	49,940.77	75,794.26
Less reserve for depreciation.....	311,155.76	6,856.70	20,859.74	17,629.33
	637,119.75	19,718.56	29,081.03	58,164.93
Bank and cash balance.....	25,001.63	421.44	4,013.71	575.76
Securities and investments.....	72,000.00	3,000.00	18,500.00	
Accounts receivable.....	8,285.54		147.78	821.10
Inventories.....	27,364.23		2,001.53	1,894.95
Sinking fund on local debentures.....				
Other assets.....	640.98			80.44
Frequency standardization expenditure in suspense.....	909.00	5,372.52		
	771,321.13	28,512.52	53,744.05	61,537.18
Equity in H-E.P.C. systems.....	846,539.99	34,290.48	28,629.05	61,310.34
Total.....	1,617,861.12	62,803.00	82,373.10	122,847.52
LIABILITIES				
Debenture balance.....				
Accounts payable.....	40,265.03	111.94	96.20	627.13
Bank overdraft.....				
Other liabilities.....	19,503.90	15.00	118.75	88.01
Total liabilities.....	59,768.93	126.94	214.95	715.14
RESERVES				
For equity in H-E.P.C. systems.....	846,539.99	34,290.48	28,629.05	61,310.34
Other reserves.....	1,543.08			65.12
	848,083.07	34,290.48	28,629.05	61,375.46
SURPLUS				
Debentures paid.....	275,000.00	7,500.00	13,816.12	8,000.00
Local sinking fund.....				
Operating surplus.....	435,009.12	20,885.58	39,712.98	52,775.50
Net frequency standardization expense charged this year.....				18.58
Total surplus.....	710,009.12	28,385.58	53,529.10	60,756.92
Total.....	1,617,861.12	62,803.00	82,373.10	122,847.52

Utilities as at December 31, 1953

Weston	Westport	Wheatley	Whitby	Warton	Williams- burg	Winchester
\$	\$	\$	\$	\$	\$	\$
38,881.05		87.50	91,586.94	1,758.62		299.85
120,678.83			34,288.16	333.57		
216,469.13	11,397.15	36,504.40	129,978.49	42,373.83	9,012.84	29,149.39
135,149.96	6,944.56	18,680.19	51,078.47	21,515.14	4,864.35	15,390.87
61,063.23	4,397.51	10,506.28	43,301.85	15,818.54	3,063.50	11,327.94
20,468.64	1,530.84	9,864.52	20,576.70	9,093.79	1,699.78	3,233.36
19,531.35	321.54	1,899.83	13,857.27	3,094.89	54.01	61.50
612,242.19	24,591.60	77,542.72	384,667.88	93,988.38	18,694.48	59,462.91
111,126.61	4,051.48	12,821.31	83,846.96	9,310.18	2,378.85	12,085.14
501,115.58	20,540.12	64,721.41	300,820.92	84,678.20	16,315.63	47,377.77
2,049.70	2,703.44	602.38	3,573.73	3,798.69	2,820.25	1,893.87
	5,000.00		10,000.00	17,000.00	15,000.00	4,000.00
70,072.15		120.33	5,678.60	1,514.39	145.71	339.97
22,333.50			13,047.71	2,657.68	43.40	
1,669.76		164.70	101.28			
1,570.41						
598,811.10	28,243.56	65,608.82	333,222.24	109,648.96	34,324.99	53,611.61
578,575.73	15,541.32	38,092.88	146,565.60	45,740.67	14,615.95	50,151.86
1,177,386.83	43,784.88	103,701.70	479,787.84	155,389.63	48,940.94	103,763.47
136,700.00		7,596.93				
667.00	359.85	84.48	1,817.86			
3,760.06						
5,706.33	324.90	125.00	3,404.92	172.21	313.43	10.00
146,833.39	684.75	7,806.41	5,222.78	172.21	313.43	10.00
578,575.73	15,541.32	38,092.88	146,565.60	45,740.67	14,615.95	50,151.86
1,804.55		44.30		22.81	310.82	
580,380.28	15,541.32	38,137.18	146,565.60	45,763.48	14,926.77	50,151.86
79,832.44	15,000.00	14,403.07	76,612.50	37,400.00	2,750.00	9,206.06
370,340.72	12,558.81	43,355.04	251,386.96	72,053.94	30,950.74	44,395.55
450,173.16	27,558.81	57,758.11	327,999.46	109,453.94	33,700.74	53,601.61
1,177,386.83	43,784.88	103,701.70	479,787.84	155,389.63	48,940.94	103,763.47

Balance Sheets of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

Municipality.....	Winder- mere	Windsor	Wingham	Woodbridge
ASSETS	\$	\$	\$	\$
Lands and buildings.....		642,730.43	26,823.14	
Substation equipment.....		1,773,512.14	7,318.18	
Distribution system, overhead.....	11,837.23	2,168,859.14	66,826.14	41,494.63
Distribution system, underground.....		695,206.31		
Line transformers.....	8,459.14	840,001.66	29,940.97	21,931.76
Meters.....	2,466.64	899,983.14	28,068.49	13,495.86
Street light equipment, regular.....	491.45	104,686.59	12,977.43	3,642.82
Miscellaneous construction expense..	104.40	142,259.05	13,222.92	21.30
Steam or hydraulic plant.....			14,711.99	
Old plant.....				
Other capital assets.....				
Total plant.....	23,358.86	7,267,238.46	199,889.26	80,586.37
Less reserve for depreciation.....	6,960.26	2,507,891.75	52,943.36	19,892.31
	16,398.60	4,759,346.71	146,945.90	60,694.06
Bank and cash balance.....	5,781.08	97,305.20	16,714.63	446.56
Securities and investments.....	1,600.00	1,280,148.08	35,000.00	4,000.00
Accounts receivable.....	152.06	478,034.82	386.32	82.61
Inventories.....		546,073.03	10,342.01	
Sinking fund on local debentures.....		130,979.76		
Other assets.....	228.60	515.30		
Frequency standardization expenditure in suspense.....		205,916.95		
	24,160.34	7,498,319.85	209,388.86	65,223.23
Equity in H-E.P.C. systems.....	7,319.16	7,741,623.61	103,153.44	90,146.75
Total.....	31,479.50	15,239,943.46	312,542.30	155,369.98
LIABILITIES				
Debenture balance.....		190,000.00		
Accounts payable.....	75.00	255,225.27	32.18	1,594.67
Bank overdraft.....				
Other liabilities.....		144,244.67	2,330.15	1,225.91
Total liabilities.....	75.00	589,469.94	2,362.33	2,820.58
RESERVES				
For equity in H-E.P.C. systems.....	7,319.16	7,741,623.61	103,153.44	90,146.75
Other reserves.....		264,531.30		150.00
	7,319.16	8,006,154.91	103,153.44	90,296.75
SURPLUS				
Debentures paid.....	11,237.65	2,393,832.05	81,155.39	8,499.97
Local sinking fund.....		130,979.76		
Operating surplus.....	12,847.69	4,119,506.80	125,871.14	53,752.68
Net frequency standardization expense charged this year.....				
Total surplus.....	24,085.34	6,644,318.61	207,026.53	62,252.65
Total.....	31,479.50	15,239,943.46	312,542.30	155,369.98

Utilities as at December 31, 1953

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
\$	\$	\$	\$	\$	\$
172,123.81		355.51	271,308.27		21,582,470.32
237,872.90			574,363.75		45,952,768.03
336,981.14	5,115.47	20,071.95	1,343,909.05	13,081.22	52,336,182.74
8,041.87					13,274,026.41
171,556.87	2,688.26	7,306.16	872,297.24	8,508.36	33,071,474.93
158,762.89	3,562.63	7,443.11	581,361.02	5,884.74	20,685,497.85
38,980.49	776.55	1,764.76	161,281.32	949.71	7,023,524.35
22,098.80		44.45	30,425.00	210.37	7,015,776.35
100.00					3,164,764.58
					66,634.46
					429,705.09
1,146,518.77	12,142.91	36,985.94	3,834,945.65	28,634.40	204,602,825.11
292,733.33	3,439.98	8,452.66	1,173,048.13	4,180.33	51,808,520.09
853,785.44	8,702.93	28,533.28	2,661,897.52	24,454.07	152,794,305.02
400.00	2,181.91	2,219.41	144,343.96	45.59	4,378,552.78
100,000.00	5,000.00	2,100.00	100,000.00	5,500.00	9,730,372.44
13,280.10	117.06	339.40	163,502.39	298.41	9,983,424.31
1,315.89			67,481.72		7,177,351.41
					178,669.89
724.17	650.00				794,897.81
			480,169.07		1,580,824.00
969,505.60	16,651.90	33,192.09	3,617,394.66	30,298.07	186,618,397.66
989,801.38	21,156.80	20,381.34	2,030,625.17	30,647.67	131,557,026.60
1,959,306.98	37,808.70	53,573.43	5,648,019.83	60,945.74	318,175,424.26
256,860.67					27,910,136.08
5,275.26	993.30	1,379.38	192,041.76	3,275.83	9,076,778.70
1,651.08					1,403,205.46
11,536.56	10.00	93.89	242,049.06	10.00	2,014,662.28
275,323.57	1,003.30	1,473.27	434,090.82	3,285.83	40,404,782.52
989,801.38	21,156.80	20,381.34	2,030,625.17	30,647.67	131,557,026.60
9,801.42	481.67	67.69	132,612.47		7,739,720.52
999,602.80	21,638.47	20,449.03	2,163,237.64	30,647.67	139,296,747.12
170,524.96	5,248.09	9,700.00	489,374.65	5,591.61	59,763,599.62
514,052.65	9,918.84	21,951.13	2,561,316.72	21,420.63	178,669.89
197.00					78,898,045.97
					366,420.86
684,380.61	15,166.93	31,651.13	3,050,691.37	27,012.24	138,473,894.62
1,959,306.98	37,808.70	53,573.43	5,648,019.83	60,945.74	318,175,424.26

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES

Municipality.....	Cache Bay	Capreol	Cochrane	Fort William
ASSETS	\$	\$	\$	\$
Lands and buildings.....	450.00			196,137.84
Substation equipment.....	40,928.44	111,727.47		577,450.24
Distribution system, overhead.....	32,083.26	23,150.94	80,366.17	723,795.84
Distribution system, underground.....				
Line transformers.....	6,735.67	16,651.24	24,662.24	260,585.32
Meters.....	3,019.67	12,950.28	21,302.77	195,075.28
Street light equipment, regular.....	1,700.51	5,716.21	13,375.68	166,635.36
Miscellaneous construction expense.....	1,233.70	3,955.17	16,737.14	66,591.80
Steam or hydraulic plant.....				
Old plant.....	1,470.00			
Other capital assets.....				
Total plant.....	46,242.81	103,802.28	268,171.47	2,186,271.68
Less reserve for depreciation.....	2,683.00	12,573.57	32,498.33	438,956.27
	43,559.81	91,228.71	235,673.14	1,747,315.41
Bank and cash balance.....	5,688.26	6,447.64	4,966.99	
Securities and investments.....				355,300.00
Accounts receivable.....	454.33	1,871.88	2,822.99	84,288.93
Inventories.....			7,815.62	99,534.41
Sinking fund on local debentures.....				213,921.57
Other assets.....			936.25	5,493.60
Frequency standardization expenditure in suspense.....				
	49,702.40	99,548.23	252,214.99	2,505,853.92
Equity in H-E.P.C. systems.....				2,786,929.88
Total.....	49,702.40	99,548.23	252,214.99	5,292,783.80
LIABILITIES				
Debenture balance.....	22,000.00	46,900.00	99,750.00	641,000.00
Accounts payable.....	14,515.19	802.80	16,436.04	97,214.30
Bank overdraft.....				29,595.17
Other liabilities.....	90.00	645.00	8,296.73	56,750.08
Total liabilities.....	36,605.19	48,347.80	124,482.77	824,559.55
RESERVES				
For equity in H-E.P.C. systems.....				2,786,929.88
Other reserves.....	45.22	192.62	755.46	5,222.70
	45.22	192.62	755.46	2,792,152.58
SURPLUS				
Debentures paid.....	6,000.00	22,100.00	5,250.00	173,209.11
Local sinking fund.....				213,921.57
Operating surplus.....	7,051.99	28,907.81	121,726.76	1,288,940.99
Net frequency standardization expense charged this year.....				
Total surplus.....	13,051.99	51,007.81	126,976.76	1,676,071.67
Total.....	49,702.40	99,548.23	252,214.99	5,292,783.80

Utilities as at December 31, 1953

Hearst	Kapuskasing	Larder Lake Twp.	Latchford	McGarry	Nipigon Twp.
\$	\$	\$	\$	\$	\$
4,165.00	8,692.96	500.00			215.03
30,318.86	61,671.50				
59,597.35	62,913.22	20,215.44	13,050.28	23,254.58	40,237.39
16,694.44	15,404.50	12,265.89	3,497.89	10,716.10	18,475.73
17,080.30	10,130.98	12,120.70	3,897.66	9,578.76	11,811.03
350.57	8,796.33	2,478.52	1,361.74	2,592.03	6,335.80
6,584.43	7,597.70	2,637.47	1,232.26	481.63	1,859.25
60,688.00					
195,478.95	175,207.19	50,218.02	23,039.83	46,623.10	78,934.23
15,127.32	4,447.00	15,780.00	1,642.00	9,667.00	10,809.55
180,351.63	170,760.19	34,438.02	21,397.83	36,956.10	68,124.68
51.76	20,292.82	8,475.87	3,535.42	6,208.59	6,147.91
					11,000.00
1,922.17	13,714.92	3,098.96	89.71	238.81	313.39
	10,077.59				109.46
	1,742.59				
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	85,695.44
					46,019.01
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	131,714.45
135,400.00	70,783.82	14,200.00	15,700.00	12,000.00	
10,013.07	9,918.21	891.68		2,331.32	30.29
1,909.83	8,228.00	5,190.68	220.00	3,676.07	963.44
147,322.90	88,930.03	20,282.36	15,920.00	18,007.39	993.73
					46,019.01
4,971.31		50.61			
4,971.31		50.61			46,019.01
4,600.00	19,695.50	3,800.00	4,300.00	2,000.00	10,000.00
25,431.35	107,962.58	21,879.88	4,802.96	23,396.11	74,701.71
30,031.35	127,658.08	25,679.88	9,102.96	25,396.11	84,701.71
182,325.56	216,588.11	46,012.85	25,022.96	43,403.50	131,714.45

Balance Sheets of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp.
ASSETS	\$	\$	\$	\$
Lands and buildings.....	63,289.31	563,430.50		6,937.08
Substation equipment.....	236,252.15	516,512.35	900.00	
Distribution system, overhead.....	274,286.22	796,170.37	24,363.17	44,328.07
Distribution system, underground.....	937.03			
Line transformers.....	121,682.88	271,189.46	12,053.35	10,223.11
Meters.....	136,547.08	239,526.37	5,406.01	10,724.70
Street light equipment, regular.....	49,382.03	128,651.16	3,601.86	3,729.83
Miscellaneous construction expense..	9,012.21	43,769.58	3,133.00	1,666.50
Steam or hydraulic plant.....		350,456.55		
Old plant.....				14,562.18
Other capital assets.....		108,128.44	17,097.98	
Total plant.....	891,388.91	3,017,834.78	66,555.37	92,171.47
Less reserve for depreciation.....	273,450.47	1,149,382.29	5,361.44	5,844.75
	617,938.44	1,868,452.49	61,193.93	86,326.72
Bank and cash balance.....	25,487.41	122,574.76	12,951.99	23,880.16
Securities and investments.....		569,986.32		
Accounts receivable.....	13,854.40	91,356.30	487.53	978.92
Inventories.....	43,114.84	86,648.22		
Sinking fund on local debentures.....				18,214.64
Other assets.....	6,571.06	200.00		
Frequency standardization expenditure in suspense.....				
	706,966.15	2,739,218.09	74,633.45	129,400.44
Equity in H-E.P.C. systems.....		5,620,144.20	13,840.04	14,825.37
Total.....	706,966.15	8,359,362.29	88,473.49	144,225.81
LIABILITIES				
Debenture balance.....	232,000.00		23,920.00	31,000.00
Accounts payable.....	514.64	83,544.48	17,283.25	
Bank overdraft.....				
Other liabilities.....	55,690.06			
Total liabilities.....	288,204.70	83,544.48	41,203.25	31,000.00
RESERVES				
For equity in H-E.P.C. systems.....		5,620,144.20	13,840.04	14,825.37
Other reserves.....	16,190.90	266,781.58		
	16,190.90	5,886,925.78	13,840.04	14,825.37
SURPLUS				
Debentures paid.....	228,157.68	626,317.40	7,280.00	19,000.00
Local sinking fund.....				18,214.64
Operating surplus.....	174,412.87	1,762,574.63	26,150.20	61,185.80
Net frequency standardization expense charged this year.....				
Total surplus.....	402,570.55	2,388,892.03	33,430.20	98,400.44
Total.....	706,966.15	8,359,362.29	88,473.49	144,225.81

Utilities as at December 31, 1953

Sioux Lookout	Sturgeon Falls	Sudbury	Terrace Bay	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
8,006.86	1,500.00	271,168.42	.....	1,124,493.00	22,706,963.32
.....	41,490.83	551,720.02	.....	2,168,971.86	48,121,739.89
33,240.34	73,013.87	707,920.10	73,919.80	3,105,906.41	55,442,089.15
.....	.....	.....	.....	937.03	13,274,963.44
18,825.61	32,265.11	314,676.31	24,242.89	1,190,847.74	34,262,322.67
17,654.39	29,582.66	264,132.40	13,580.18	1,014,121.22	21,699,619.07
10,013.64	5,370.00	167,405.55	15,449.11	592,945.93	7,616,470.28
3,011.19	7,367.45	60,199.39	4,861.30	241,931.17	7,257,707.52
.....	.....	.....	.....	350,456.55	3,515,221.13
.....	.....	.....	.....	76,720.18	143,354.64
.....	.....	.....	.....	125,226.42	554,931.51
90,752.03	190,589.92	2,337,222.19	132,053.28	9,992,557.51	214,595,382.62
12,371.28	35,104.04	436,565.98	11,787.00	2,474,051.29	54,282,571.38
78,380.75	155,485.88	1,900,656.21	120,266.28	7,518,506.22	160,312,811.24
27,824.59	.....	206,158.10	24,891.36	505,583.63	4,884,136.41
.....	.....	50,000.00	.....	986,286.32	10,716,658.76
1,758.60	19,159.42	78,842.38	21.05	315,274.69	10,298,699.00
6,846.53	.....	96,345.49	.....	350,492.16	7,527,843.57
.....	.....	.....	.....	232,136.21	410,806.10
0.01	1,270.64	1,924.14	.....	18,138.29	813,036.10
.....	.....	.....	.....	.....	1,580,824.00
114,810.48	175,915.94	2,333,926.32	145,178.69	9,926,417.52	196,544,815.18
.....	.....	.....	30,071.85	8,511,830.35	140,068,856.95
114,810.48	175,915.94	2,333,926.32	175,250.54	18,438,247.87	336,613,672.13
.....
.....	.....	506,633.46	66,300.00	1,917,587.28	29,827,723.36
353.85	80,304.94	90,857.25	2,204.64	427,215.95	9,503,994.65
.....	6,239.80	.....	.....	35,834.97	1,439,040.43
3,366.75	5,706.26	58,785.93	.....	209,518.83	2,224,181.11
3,720.60	92,251.00	656,276.64	68,504.64	2,590,157.03	42,994,939.55
.....	.....	.....	30,071.85	8,511,830.35	140,068,856.95
.....	771.80	118,297.99	.....	413,280.19	8,153,000.71
.....	771.80	118,297.99	30,071.85	8,925,110.54	148,221,857.66
.....	.....	510,705.07	11,700.00	1,654,114.76	61,417,714.38
111,089.88	82,893.14	1,048,646.62	64,974.05	232,136.21	410,806.10
.....	.....	.....	.....	5,036,729.33	83,934,775.30
.....	.....	.....	.....	.....	366,420.86
111,089.88	82,893.14	1,559,351.69	76,674.05	6,922,980.30	145,396,874.92
114,810.48	175,915.94	2,333,926.32	175,250.54	18,438,247.87	336,613,672.13

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population.....	2,829	1,041	533	2,253	2,171
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	43,367.03	22,359.76	7,404.44	21,518.67	29,981.29
Commercial light service.....	18,103.69	7,151.07	3,337.93	17,149.53	15,710.44
Commercial power service.....	77,938.23	9,974.81	2,664.15	15,506.96	13,784.39
Municipal power.....	2,326.30			1,481.03	1,364.82
Street lighting.....	3,981.96	1,994.00	786.00	2,343.67	2,215.35
Merchandise.....	273.38				18.83
Miscellaneous.....	386.57	102.35	80.51	4,329.89	713.29
Total earnings.....	146,377.16	41,581.99	14,273.03	62,329.75	63,788.41
EXPENSES.....					
Power purchased.....	123,885.07	29,908.88	9,556.69	30,248.98	37,008.78
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	6,793.53	566.77	251.62	1,788.51	3,552.93
Line transformer maintenance.....	276.55	10.14	377.10	153.71	722.68
Meter maintenance.....	811.75	13.80	39.30	486.01	689.89
Consumers' premises expenses.....	116.51	126.04	7.00		5,522.00
Street lighting, operation and maintenance.....	723.91	444.12	88.11	590.29	432.86
Promotion of business.....					
Billing and collecting.....	1,770.36	1,191.70	565.00	1,948.03	1,922.82
General office, salaries and expenses	2,327.79	643.86	195.15	3,372.30	1,946.71
Undistributed expenses.....	1,127.40		18.75	200.33	172.14
Truck operation and maintenance.....	503.11			685.74	524.21
Interest.....	57.62	5.76	204.31	968.65	
Sinking fund and principal payments on debentures.....				1,272.07	
Depreciation.....	3,276.00	1,539.00	588.00	4,013.00	2,769.00
Other reserves.....		20.00			
Total operating costs and fixed charges.....	141,669.60	34,470.07	11,891.03	45,727.62	55,264.02
Net surplus or deficit.....	4,707.56	7,111.92	2,382.00	16,602.13	8,524.39
NUMBER OF CUSTOMERS					
Domestic service.....	832	351	169	597	630
Commercial light service.....	115	50	41	145	139
Power service.....	27	10	4	15	28
Total.....	974	411	214	757	797

Utilities for Year Ended December 31, 1953

Almonte 2,554	Alvinston 675	Amherstburg 3,807	Ancaster Twp. 7,432	Apple Hill 464	Arkona 404	Arnprior 4,578
\$	\$	\$	\$	\$	\$	\$
29,784.80	5,739.02	67,145.64	49,820.38	2,591.02	7,107.73	50,708.66
11,345.27	4,975.66	31,666.10	9,228.49	1,099.65	3,641.94	31,131.00
22,606.11	1,976.37	29,014.99	1,373.78	210.55	1,955.95	35,678.48
1,689.00	247.41	.....	704.72	.....	.....	2,892.84
3,560.00	1,715.00	4,708.87	1,808.10	522.00	865.00	7,449.13
2,356.13	.....	.....	.....	.....	.....	308.05
4,897.79	194.05	434.40	613.88	106.49	41.17	1,350.78
76,239.10	14,847.51	132,970.00	63,549.35	4,529.71	13,611.79	129,518.94
21,509.86	6,890.26	93,380.01	40,133.82	1,931.76	8,603.09	94,653.82
*12,750.79	.....	.....	.....	.....	.....	.....
*926.36	.....	.....	.....	.....	.....	.....
3,981.91	679.95	9,505.70	3,294.60	135.90	447.33	3,602.83
1,273.89	27.18	1,762.89	1,729.77	17.13	91.82	747.73
505.14	75.58	548.77	716.70	17.85	12.54	1,845.14
24.65	.....	1,695.45	61.88	.....	52.50	.....
681.69	231.59	934.99	425.47	56.30	177.53	1,493.74
4,012.11	816.24	3,187.95	1,796.34	362.49	514.82	3,559.87
3,495.86	661.58	5,826.42	1,836.11	126.24	338.38	3,718.40
550.19	25.85	1,250.44	286.62	.....	8.72	779.28
681.90	.....	1,294.37	1,757.22	.....	.....	.....
416.31	.....	66.30	2,021.87	.....	13.46	627.72
2,641.03	.....	.....	2,128.92	.....	.....	1,441.08
6,822.00	1,260.00	5,105.00	3,021.00	343.00	775.00	4,404.00
60,273.69	10,668.23	124,558.29	59,210.32	2,990.67	11,035.19	116,873.61
15,965.41	4,179.28	8,411.71	4,339.03	1,539.04	2,576.60	12,645.33
785	254	1,001	727	90	142	1,227
126	61	193	48	22	39	216
28	7	21	8	1	3	31
939	322	1,215	783	113	184	1,474

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
Population.....	1,096	847	3,543	3,724	920
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	13,898.38	8,498.50	62,578.24	44,015.91	13,513.88
Commercial light service.....	8,645.00	3,791.43	30,150.93	29,820.86	6,523.08
Commercial power service.....	3,526.34	969.40	37,484.61	37,494.09	4,718.21
Municipal power.....	445.82		2,996.18	4,117.20	
Street lighting.....	1,953.50	1,324.00	5,798.40	5,848.00	2,194.00
Merchandise.....					
Miscellaneous.....	292.93	553.23	1,679.86	778.29	464.65
Total earnings.....	28,761.97	15,136.56	140,688.22	122,074.35	27,413.82
EXPENSES.....					
Power purchased.....	13,811.31	6,696.29	83,368.73	93,561.68	17,164.95
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,398.63	194.96	4,512.75	4,629.18	1,313.59
Line transformer maintenance.....		127.89	226.27	8.76	43.80
Meter maintenance.....	362.06	33.50	497.50	870.76	13.80
Consumers' premises expenses.....			6,398.67	460.60	7.68
Street lighting, operation and maintenance.....	439.94	536.38	1,712.47	1,278.51	370.58
Promotion of business.....					
Billing and collecting.....	1,020.47	497.41	5,108.82	3,864.74	1,237.00
General office, salaries and expenses.....	678.54	396.56	4,821.78	2,110.17	62.00
Undistributed expenses.....	81.62		1,626.27	959.41	332.73
Truck operation and maintenance.....	203.20			831.96	300.00
Interest.....	56.33		509.19	19.96	
Sinking fund and principal payments on debentures.....	203.88				
Depreciation.....	1,678.00	885.00	4,735.00	4,874.00	1,112.00
Other reserves.....				184.88	
Total operating costs and fixed charges.....	19,933.98	9,367.99	113,517.45	113,654.61	21,958.13
Net surplus or deficit.....	8,827.99	5,768.57	27,170.77	8,419.74	5,455.69
NUMBER OF CUSTOMERS					
Domestic service.....	342	269	1,122	1,070	270
Commercial light service.....	95	39	164	231	51
Power service.....	12	2	29	34	11
Total.....	449	310	1,315	1,335	332

Utilities for Year Ended December 31, 1953

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
801	1,445	14,975	1,351	431	661	1,928
\$	\$	\$	\$	\$	\$	\$
11,513.22	15,503.10	192,340.19	11,758.12	7,243.70	10,831.67	32,454.51
4,115.76	11,842.72	112,987.48	6,727.17	2,482.15	1,614.00	11,429.39
14,581.05	3,727.92	71,274.89	707.57	275.20	36,843.23	5,234.07
		4,457.01				73.76
942.10	1,719.96	9,494.79	766.50	503.94	734.69	2,854.76
		617.90				
322.44	39.68	7,146.29	19.06	4.13	279.56	660.00
31,474.57	32,833.38	398,318.55	19,978.42	10,509.12	50,303.15	52,706.49
24,358.65	8,466.70	261,857.10	6,163.67	3,865.26	50,792.72	42,148.74
	*1,689.06	4,895.90				
		436.88				
362.63	2,281.35	21,268.12	208.67	486.46	1,170.54	2,220.47
132.16	90.68	3,536.20	26.04	69.60	135.89	96.40
120.20	138.53	4,755.43	105.31	43.09	141.14	618.88
109.53		13,714.64			784.87	231.20
71.25	306.36	2,292.57	16.60	160.21	250.81	703.26
		193.31				
477.53	1,337.54	15,383.00	466.68	491.98	599.62	2,495.42
316.56	1,406.41	11,191.87	719.69	258.84	325.67	1,328.37
	254.81	8,992.85			5.00	
19.96		2,393.71				
	1,240.35	268.62	172.13		69.16	367.66
	2,625.00		893.32			
866.00	4,064.00	23,262.00	712.00	666.00	1,545.00	1,948.42
		254.61			25.92	
26,834.47	23,900.79	374,696.81	9,484.11	6,041.44	55,846.34	52,158.82
4,640.10	8,932.59	23,621.74	10,494.31	4,467.68	5,543.19	547.67
207	365	3,821	272	163	223	581
34	100	588	58	20	32	95
4	6	86	4	1	3	11
245	471	4,495	334	184	258	687

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Beaverton	Beeton	Belle River	Belleville
Population	984	625	1,547	19,981
EARNINGS	\$	\$	\$	\$
Domestic service	15,224.98	8,046.09	18,906.62	253,003.47
Commercial light service	7,286.62	4,419.63	11,443.93	144,786.04
Commercial power service	4,333.53	2,215.10	673.47	106,199.56
Municipal power	655.11		2,766.97	7,621.81
Street lighting	1,841.16	1,979.85	2,094.00	17,802.76
Merchandise		19.53		1,181.02
Miscellaneous	217.83	41.24	158.16	16,013.89
Total earnings	29,559.23	16,721.44	36,043.15	546,608.55
EXPENSES				
Power purchased	19,568.67	8,515.99	20,383.92	376,439.48
Substation operation				11,903.93
Substation maintenance				
Distribution system, operation and maintenance	2,014.11	1,221.42	2,379.19	12,390.71
Line transformer maintenance	258.64		535.22	558.93
Meter maintenance	607.14	238.02	309.30	4,746.62
Consumers' premises expenses	17.21			4,509.63
Street lighting, operation and maintenance	523.26	160.77	726.44	5,206.23
Promotion of business				44.75
Billing and collecting	1,709.74	595.13	1,941.80	16,429.72
General office, salaries and expenses	1,432.03	430.89	752.03	13,229.01
Undistributed expenses			131.39	612.79
Truck operation and maintenance	353.90		947.44	
Interest	4.51		736.26	
Sinking fund and principal payments on debentures				
Depreciation	2,061.00	933.00	1,914.00	21,797.00
Other reserves				
Total operating costs and fixed charges	28,550.21	12,095.22	30,756.99	467,868.80
Net surplus or deficit	1,009.02	4,626.22	5,286.16	78,739.75
NUMBER OF CUSTOMERS				
Domestic service	375	200	493	5,550
Commercial light service	90	42	80	872
Power service	9	7	6	148
Total	474	249	579	6,570

Utilities for Year Ended December 31, 1953

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowman- ville
2,648	666	730	1,125	965	738	5,873
\$	\$	\$	\$	\$	\$	\$
21,432.08	6,585.43	9,024.16	19,303.55	13,750.15	5,909.23	85,783.10
25,211.45	5,154.89	5,032.98	10,903.16	6,454.08	5,344.03	28,459.31
15,410.87	2,483.76	8,379.40	1,033.57	3,434.53	3,450.11	82,192.11
1,916.88		29.76		724.58	41.16	1,055.54
6,308.02	1,241.00	1,382.64	3,597.46	1,191.60	1,819.98	7,242.14
2,866.19	770.65	247.59	391.73	75.26	376.17	3,492.96
73,145.49	16,235.73	24,096.53	35,229.47	25,630.20	16,940.68	208,225.16
43,782.69	9,823.05	16,092.83	11,726.33	17,853.46	10,981.66	130,550.23
			*267.82			2,140.66
						191.70
4,069.18	340.22	1,022.62	2,024.96	772.38	405.63	4,410.65
719.02	5.95	19.75	281.26	59.25		148.85
2,569.08	474.23	85.01	314.98	1.70	120.91	1,852.67
154.80		44.37		50.75		1,955.28
2,150.79	149.21	324.73	434.68	249.91	93.56	1,057.58
						415.69
3,609.39	843.55	812.55	1,538.13	1,491.47	450.09	4,929.54
4,197.37	530.00	261.10	1,243.24	509.40	580.96	6,913.56
		93.19	192.23			2,649.50
			644.71			1,805.31
1,501.50		1.00	1,002.88		122.95	
2,385.15			3,779.92			
4,318.00	976.00	1,038.00	2,583.00	1,311.00	1,078.00	11,987.00
69,456.97	13,142.21	19,795.15	26,034.14	22,299.32	13,833.76	171,008.22
3,688.52	3,093.52	4,301.38	9,195.33	3,330.88	3,106.92	37,216.94
775	219	236	462	276	224	1,792
175	48	64	93	58	65	223
19	7	7	4	16	9	31
969	274	307	559	350	298	2,046

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Bradford	Braeside	Brampton	Brantford
Population.....	1,756	459	10,366	36,526
EARNINGS	\$	\$	\$	\$
Domestic service.....	22,094.29	4,049.07	159,800.98	428,740.90
Commercial light service.....	18,495.76	838.92	59,932.91	211,961.70
Commercial power service.....	15,959.67	6,013.87	52,866.17	622,611.58
Municipal power.....	825.07		6,719.67	15,746.71
Street lighting.....	2,626.00	450.00	11,172.83	44,213.21
Merchandise.....	193.20			
Miscellaneous.....	418.42	56.80	2,404.84	12,479.49
Total earnings.....	60,612.41	11,408.66	292,897.40	1,335,753.59
EXPENSES				
Power purchased.....	28,148.51	7,871.66	224,202.25	1,004,846.15
Substation operation.....				28,192.95
Substation maintenance.....			341.61	10,123.09
Distribution system, operation and maintenance.....	4,099.63	249.64	4,340.48	18,473.23
Line transformer maintenance.....	167.22		274.40	5,729.78
Meter maintenance.....	848.42	455.25	192.38	14,843.47
Consumers' premises expenses.....	6.53		589.52	17,526.63
Street lighting, operation and maintenance.....	749.94	145.78	1,832.39	8,857.65
Promotion of business.....				73.34
Billing and collecting.....	1,895.12	321.52	7,173.81	23,493.11
General office, salaries and expenses.....	2,786.55	252.00	2,170.04	19,576.24
Undistributed expenses.....	479.58			981.08
Truck operation and maintenance.....	1,005.25			
Interest.....		165.72	1,525.64	6,015.44
Sinking fund and principal payments on debentures.....		275.76		7,500.00
Depreciation.....	2,736.00	332.00	12,620.00	60,017.00
Other reserves.....			150.00	
Total operating costs and fixed charges.....	42,922.75	10,069.33	255,412.52	1,226,249.16
Net surplus or deficit.....	17,689.66	1,339.33	37,484.88	109,504.43
NUMBER OF CUSTOMERS				
Domestic service.....	460	128	2,715	10,002
Commercial light service.....	116	13	349	1,631
Power service.....	25	3	83	271
Total.....	601	144	3,147	11,904

Utilities for Year Ended December 31, 1953

Brantford Twp. 18,662	Brechin 270	Bridgeport 1,277	Brigden 435	Brighton 2,017	Brockville 13,243	Bronte 1,245
\$	\$	\$	\$	\$	\$	\$
231,392.48	2,399.22	15,940.24	3,690.81	30,574.20	164,676.41	22,555.14
31,880.69	2,336.04	4,680.51	3,079.30	14,621.22	67,449.38	6,474.93
16,659.32	756.01	2,263.26	3,918.29	6,253.27	172,293.97	1,585.36
			192.69		9,841.12	475.86
14,595.72	324.00	1,084.00	841.80	2,770.19	10,072.75	1,269.50
1,360.17	281.72	144.44	216.85	368.83	2,009.58	
295,888.38	6,096.99	24,112.45	11,939.74	54,587.71	426,343.21	32,360.79
165,795.64	2,763.92	16,313.78	7,206.00	28,742.07	298,772.30	18,968.14
954.53					*25,460.29	
					3,990.09	
10,063.98	312.05	841.74	413.81	2,859.08	5,865.14	1,808.48
2,104.37		84.31	41.37	24.89	824.41	487.69
4,107.77	126.28	13.00	108.21	1,133.17	3,522.78	374.14
687.94	50.45		14.00	20.18	106.39	36.93
4,935.82	76.48	312.48	128.25	416.71	2,903.59	234.98
8,629.82	333.76	1,202.56	684.22	2,659.69	13,534.37	2,203.73
7,058.73	185.97	333.38	475.09	3,013.22	12,020.23	606.67
3,924.17		39.24	12.63	711.16		
4,157.62				418.12	2,521.89	
6,903.63						457.34
9,334.33						
14,853.00	172.00	1,549.00	789.00	1,860.00	16,969.00	1,704.00
						77.00
243,511.35	4,020.91	20,689.49	9,872.58	41,858.29	386,490.48	26,959.10
52,377.03	2,076.08	3,422.96	2,067.16	12,729.42	39,852.73	5,401.69
3,769	64	331	145	653	3,673	445
152	23	30	49	142	445	84
19	1	6	6	12	80	10
3,940	88	367	200	807	4,198	539

*Includes \$9,331.42 generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Brussels	Burford	Burgess- ville	Burks Falls
Population.....	827	938	219	866
EARNINGS	\$	\$	\$	\$
Domestic service.....	11,403.07	15,441.01	3,564.44	9,583.19
Commercial light service.....	5,640.57	5,647.06	1,330.58	9,494.48
Commercial power service.....	4,221.52	3,772.37	1,434.58	2,356.79
Municipal power.....	653.11			533.57
Street lighting.....	1,296.00	1,466.20	384.00	1,931.26
Merchandise.....		0.42		
Miscellaneous.....	5.77	149.97	85.57	3.06
Total earnings.....	23,220.04	26,477.03	6,799.17	23,902.35
EXPENSES				
Power purchased.....	17,680.60	19,478.81	4,588.12	9,945.28
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	931.19	1,344.23	420.07	1,143.05
Line transformer maintenance.....	78.07	55.00	3.50	52.40
Meter maintenance.....	241.69	106.25	67.99	289.94
Consumers' premises expenses.....				
Street lighting, operation and main- tenance.....	162.43	296.61	82.45	320.75
Promotion of business.....				
Billing and collecting.....	466.00	974.81	204.35	1,022.22
General office, salaries and expenses.....	457.14	443.66	149.25	869.83
Undistributed expenses.....	33.77	29.06		
Truck operation and maintenance.....				
Interest.....		3.00		1,203.97
Sinking fund and principal payments on debentures.....				2,011.08
Depreciation.....	1,122.00	1,198.00	297.00	1,222.00
Other reserves.....				50.00
Total operating costs and fixed charges.....	21,172.89	23,929.43	5,812.73	18,130.52
Net surplus or deficit.....	2,047.15	2,547.60	986.44	5,771.83
NUMBER OF CUSTOMERS				
Domestic service.....	290	327	71	236
Commercial light service.....	78	58	21	67
Power service.....	9	6	3	4
Total.....	377	391	95	307

Utilities for Year Ended December 31, 1953

Burlington	Caledonia	Campbell- ville 283	Cannington	Cardinal	Carleton Place 4,590	Casselman
7,181	1,785		961	1,808		1,130
\$	\$	\$	\$	\$	\$	\$
127,007.99	17,984.30	3,865.54	12,914.49	21,175.39	51,297.01	10,872.25
53,395.36	12,816.59	858.95	6,181.49	6,378.61	22,951.52	5,772.84
30,740.18	9,693.72	442.95	4,665.86	909.87	36,833.71	5,408.56
942.21	498.07				1,870.00	
8,765.88	4,242.91	372.00	1,777.40	1,408.02	5,473.42	840.00
	81.54		25.97			
522.72	338.69	110.19	330.85	274.17	2,141.80	60.07
221,374.34	45,655.82	5,649.63	25,896.06	30,146.06	120,567.46	22,953.72
133,741.41	27,205.45	3,853.53	17,291.53	21,537.45	87,279.54	9,422.09
					208.24	
8,947.03	1,024.74	111.91	1,529.40	1,188.68	5,591.88	360.44
1,541.45	146.11	23.27	154.93	72.75	274.11	26.25
2,095.54	1,007.31	13.20	414.76	153.38	2,047.28	294.84
21.47			136.74		410.67	
678.28	1,046.43	99.18	359.32	147.73	1,678.36	225.14
173.98						
10,522.65	1,952.86	226.42	1,456.26	821.54	4,529.92	661.67
7,018.87	1,735.89	50.38	1,444.54	532.57	8,081.78	1,465.18
1,590.93	144.75			34.12	475.73	12.30
1,649.63	714.17		97.52		1,497.02	
6,854.98	458.96		1.69			3,512.24
10,683.82	500.00					2,500.00
7,900.00	1,993.00	300.00	856.00	1,013.00	4,410.00	1,235.00
193,420.04	37,929.67	4,677.89	23,742.69	25,501.22	116,484.53	19,715.15
27,954.30	7,726.15	971.74	2,153.37	4,644.84	4,082.93	3,238.57
2,200	560	69	317	493	1,336	272
267	120	11	77	66	223	37
31	14	1	11	3	22	3
2,498	694	81	405	562	1,581	312

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Cayuga	Chatham	Chatsworth	Chesley
Population	771	22,274	390	1,677
EARNINGS	\$	\$	\$	\$
Domestic service	7,451.47	269,638.38	5,590.73	22,552.00
Commercial light service	7,916.58	294,641.70	4,657.82	10,416.17
Commercial power service	4,192.44	332,272.89	1,023.01	10,628.05
Municipal power		17,490.13		801.26
Street lighting	2,787.27	48,707.58	1,192.00	2,634.96
Merchandise	22.02	14,506.50		70.21
Miscellaneous	739.22	4,554.98	49.17	210.68
Total earnings	23,109.00	981,812.16	12,512.73	47,313.33
EXPENSES				
Power purchased	10,076.61	514,184.00	7,712.78	34,773.63
Substation operation		20,021.47		
Substation maintenance		15,398.96		
Distribution system, operation and maintenance	1,082.09	39,466.22	617.02	1,935.11
Line transformer maintenance	166.40	7,885.41		60.00
Meter maintenance	375.26	11,152.30	48.77	479.97
Consumers' premises expenses		19,993.56		14.40
Street lighting, operation and maintenance	488.83	8,047.43	162.23	419.20
Promotion of business		19,366.80		
Billing and collecting	1,439.05	22,966.49	366.56	1,555.24
General office, salaries and expenses	1,586.20	54,702.27	262.61	1,168.54
Undistributed expenses	335.68	29,991.50		578.82
Truck operation and maintenance	334.83	12,256.43		465.18
Interest	3.01	16,244.83		
Sinking fund and principal payments on debentures		30,615.36		
Depreciation	1,492.00	44,907.00	581.00	2,704.00
Other reserves		97.67		
Total operating costs and fixed charges	17,379.96	867,297.70	9,750.97	44,154.09
Net surplus or deficit	5,729.04	114,514.46	2,761.76	3,159.24
NUMBER OF CUSTOMERS				
Domestic service	227	5,926	131	561
Commercial light service	78	1,036	46	102
Power service	9	173	1	27
Total	314	7,135	178	690

Utilities for Year Ended December 31, 1953

Chester- ville 1,153	Chippawa 1,834	Clifford 527	Clinton 2,625	Cobden 835	Cobourg 8,152	Colborne 1,156
\$	\$	\$	\$	\$	\$	\$
10,524.70	26,148.96	8,495.48	42,414.04	8,852.36	119,009.39	17,382.21
7,086.42	6,604.95	4,707.10	20,464.71	6,098.24	51,901.96	8,699.87
15,086.20	352.53	1,269.34	11,064.64	3,810.52	82,359.68	2,085.78
	892.52	357.94	6,586.45	487.61	2,772.65	232.98
1,607.00	3,953.52	1,247.72	4,787.62	1,728.38	11,840.00	2,332.88
			16.46			919.69
497.96	159.71	36.61	972.75	121.34	2,477.03	278.72
34,802.28	38,112.19	16,114.19	86,306.67	21,098.45	270,360.71	31,932.13
25,936.90	22,906.56	9,784.93	56,649.37	9,862.47	174,333.07	18,271.51
			174.15			
2,565.23	1,156.91	301.03	3,669.79	205.67	6,551.05	1,699.37
271.27	357.44	28.75	185.29		797.38	15.50
317.30	833.80	1.88	902.54	48.36	2,862.65	497.24
		597.76	494.98		593.75	149.15
305.54	1,067.50	260.73	1,686.66	333.66	2,111.11	489.96
928.45	1,160.53	545.89	2,734.20	859.82	11,225.31	1,768.99
626.20	1,269.03	348.65	4,209.70	239.15	7,460.34	1,426.35
88.79	273.49	27.04	842.88		1,666.00	610.20
409.32	131.97		646.07		1,456.32	416.45
		79.91	1,140.00			
		494.55	1,500.00			
1,205.00	1,963.89	774.00	4,102.00	832.00	10,932.00	911.00
32,654.00	31,121.12	13,245.12	78,937.63	12,381.13	219,988.98	26,255.72
2,148.28	6,991.07	2,869.07	7,369.04	8,717.32	50,371.73	5,676.41
313	533	157	829	255	2,241	385
77	58	42	176	72	304	85
6	3	6	27	8	61	6
396	594	205	1,032	335	2,606	476

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Coldwater	Collingwood	Comber	Cookstown
Population	629	7,558	575	527
EARNINGS	\$	\$	\$	\$
Domestic service	7,871.67	87,150.00	4,917.17	6,427.11
Commercial light service	4,117.49	43,259.56	4,631.38	3,425.88
Commercial power service	2,650.22	68,798.71	6,039.64	1,798.19
Municipal power		3,066.82		
Street lighting	1,180.50	7,165.50	1,357.00	930.00
Merchandise	1.62	416.32		
Miscellaneous	324.11	1,851.68	39.05	4.20
Total earnings	16,145.61	211,708.59	16,984.24	12,585.38
EXPENSES				
Power purchased	10,059.36	151,575.87	10,462.23	8,033.82
Substation operation		430.25		
Substation maintenance				
Distribution system, operation and maintenance	1,158.44	8,807.56	856.40	676.34
Line transformer maintenance	156.38	296.54	211.92	
Meter maintenance	256.87	2,057.53	68.05	139.73
Consumers' premises expenses	28.62	32.38		
Street lighting, operation and maintenance	210.76	1,313.79	256.91	111.00
Promotion of business				
Billing and collecting	855.57	5,842.39	760.43	445.21
General office, salaries and expenses	737.17	3,391.83	712.60	184.71
Undistributed expenses		3,228.74	33.91	
Truck operation and maintenance	134.71	2,116.25		242.30
Interest	8.20		142.90	
Sinking fund and principal payments on debentures			276.89	
Depreciation	1,143.00	8,372.00	935.00	765.87
Other reserves	50.00	200.00		
Total operating costs and fixed charges	14,799.08	187,665.13	14,717.24	10,598.98
Net surplus or deficit	1,346.53	24,043.46	2,267.00	1,986.40
NUMBER OF CUSTOMERS				
Domestic service	196	2,195	162	164
Commercial light service	42	319	59	38
Power service	4	66	9	3
Total	242	2,580	230	205

Utilities for Year Ended December 31, 1953

Cottam	Courtright	Creemore	Dashwood	Delaware	Delhi	Deseronto
573	559	747	406	336	2,773	1,555
\$	\$	\$	\$	\$	\$	\$
5,712.34	4,176.36	9,585.74	7,365.53	6,256.43	32,498.49	21,040.81
2,712.42	2,386.94	3,971.29	2,993.99	2,534.75	30,825.53	7,833.54
1,388.27		1,334.77	1,672.17		13,396.58	10,751.71
	642.24				1,818.81	1,644.49
750.00	818.00	1,308.00	742.50	360.00	6,435.22	2,965.49
					101.49	949.46
93.63	2.27	153.32	23.35	3.83	671.12	363.28
10,656.66	8,025.81	16,353.12	12,797.54	9,155.01	85,747.24	45,548.78
6,779.52	4,514.18	10,893.97	8,453.82	6,668.94	49,433.00	22,417.36
411.24	236.02	789.23	662.42	611.04	5,053.13	2,453.70
51.39					432.87	52.69
28.66	47.00	212.63	6.75		933.11	198.11
46.20	6.93	25.25		34.91	1,395.36	
71.59	88.61	324.10	46.07	14.00	633.65	597.17
					118.81	
766.90	293.73	718.82	705.63	800.33	2,743.52	1,540.66
319.85	111.27	227.78	415.23	156.45	3,577.53	2,445.61
6.50	5.00				1,179.90	67.25
						865.55
				22.14	1,361.37	
					4,801.40	
861.00	425.00	785.00	424.00	449.00	3,683.00	1,943.00
		100.00				
9,342.85	5,727.74	14,076.78	10,713.92	8,756.81	75,346.65	32,581.10
1,313.81	2,298.07	2,276.34	2,083.62	398.20	10,400.59	12,967.68
181	152	259	132	101	902	518
37	29	54	32	17	248	56
7	1	3	3		33	17
225	182	316	167	118	1,183	591

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dorchester	Drayton	Dresden	Drumbo
Population.....	687	540	2,032	339
EARNINGS	\$	\$	\$	\$
Domestic service.....	8,002.40	8,291.80	18,010.92	5,565.94
Commercial light service.....	2,099.48	4,200.08	19,231.55	2,490.67
Commercial power service.....	2,345.92	1,846.78	16,468.52	1,332.17
Municipal power.....			1,685.12	
Street lighting.....	1,473.00	1,240.00	3,593.66	650.00
Merchandise.....				
Miscellaneous.....	52.16	306.57	1,428.37	314.09
Total earnings.....	13,972.96	15,885.23	60,418.14	10,352.87
EXPENSES				
Power purchased.....	9,731.77	8,849.57	35,166.09	7,933.57
Substation operation.....			240.10	
Substation maintenance.....				
Distribution system, operation and maintenance.....	246.75	259.25	3,522.48	114.34
Line transformer maintenance.....	41.72	54.90	1,061.58	31.00
Meter maintenance.....	14.71	82.63	142.68	5.82
Consumers' premises expenses.....	45.60			15.62
Street lighting, operation and maintenance.....	472.18	424.82	333.02	100.15
Promotion of business.....	3.52		5.54	
Billing and collecting.....	905.50	1,112.11	2,362.33	777.29
General office, salaries and expenses.....	103.46	264.45	6,093.90	96.64
Undistributed expenses.....		44.07	1,307.20	
Truck operation and maintenance.....			1,355.13	
Interest.....	94.54	22.17	893.65	
Sinking fund and principal payments on debentures.....			1,222.97	
Depreciation.....	926.00	570.00	2,507.00	418.00
Other reserves.....				
Total operating costs and fixed charges.....	12,585.75	11,683.97	56,213.67	9,492.43
Net surplus or deficit.....	1,387.21	4,201.26	4,204.47	860.44
NUMBER OF CUSTOMERS				
Domestic service.....	220	210	631	123
Commercial light service.....	39	57	161	34
Power service.....	3	4	24	2
Total.....	262	271	816	159

Utilities for Year Ended December 31, 1953

Dublin 251	Dundalk 774	Dundas 7,299	Dunnville 4,796	Durham 1,873	Dutton 809	East York Twp. 65,736
\$	\$	\$	\$	\$	\$	\$
3,640.65	8,559.21	84,552.06	39,214.94	22,004.47	5,984.86	986,330.37
1,944.30	6,106.89	38,295.19	37,779.71	16,980.33	4,514.21	154,680.11
1,941.86	4,333.05	69,456.33	60,362.30	8,173.36	4,679.48	213,070.31
.....	.....	1,074.37	3,463.27	989.67	.....	7,889.58
741.00	1,271.00	10,710.77	8,124.44	2,687.63	1,276.02	63,865.76
.....	.....	.....	91.93	81.00	.....	.....
66.20	415.11	923.95	600.00	220.79	255.50	3,178.62
8,334.01	20,685.26	205,012.67	149,636.59	51,137.25	16,710.07	1,429,014.75
5,241.51	14,175.58	145,249.98	117,029.31	27,592.78	14,025.08	890,616.17
.....	.....	1,716.57	1,484.68	.....	.....	12,561.04
389.12	1,718.75	15,749.66	9,759.61	5,254.43	706.57	27,077.43
369.40	.....	1,695.42	669.95	403.34	81.28	11,008.65
8.72	152.15	4,816.94	2,431.08	551.67	60.17	18,448.69
.....	.....	.....	104.63	688.44	.....	27,633.78
191.29	335.32	3,064.40	2,118.59	365.10	312.40	14,875.20
492.15	1,088.23	4,455.80	3,548.36	2,008.68	1,052.25	53,911.93
305.80	238.67	4,143.45	3,882.95	1,651.62	270.10	49,766.44
5.00	298.94	1,689.08	.....	227.03	37.07	.....
.....	368.69	3,049.15	.....	1,270.39	.....	.....
2.75	1.61	5.56	120.51	.....	20.31	27,841.63
.....	.....	.....	.....	.....	.....	29,000.00
385.00	1,014.00	9,842.00	6,550.00	2,150.00	630.00	56,005.00
.....	.....	.....	.....	.....	26.75	.....
7,390.74	19,391.94	195,478.01	147,699.67	42,163.48	17,221.98	1,218,745.96
943.27	1,293.32	9,534.66	1,936.92	8,973.77	511.91	210,268.79
85	272	2,301	1,366	566	257	18,201
35	85	260	276	130	64	924
2	9	56	36	20	11	141
122	366	2,617	1,678	716	332	19,266

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Eganville	Elmira	Elmvale	Elmwood (V.A.)
Population.....	1,408	2,644	851	
EARNINGS	\$	\$	\$	\$
Domestic service.....	16,418.41	38,779.33	11,104.23	2,886.04
Commercial light service.....	11,558.13	25,035.33	7,075.58	1,715.07
Commercial power service.....	4,489.60	54,751.88	4,897.91	3,658.74
Municipal power.....		4,534.58	329.24	
Street lighting.....	1,955.04	4,033.06	1,469.50	792.00
Merchandise.....				
Miscellaneous.....	119.29	3,422.54	59.22	139.85
Total earnings.....	34,540.47	130,556.72	24,935.68	9,191.70
EXPENSES				
Power purchased.....	4,136.29	98,641.75	16,536.92	5,360.03
Substation operation.....	*6,913.21	936.01		
Substation maintenance.....	*88.99			
Distribution system, operation and maintenance.....	963.77	6,969.36	1,373.22	254.27
Line transformer maintenance.....	236.33	683.51	328.86	
Meter maintenance.....	117.57	266.54	257.86	181.36
Consumers' premises expenses.....		72.15	112.12	
Street lighting, operation and main- tenance.....	258.59	370.83	277.51	64.76
Promotion of business.....				
Billing and collecting.....	1,086.96	1,734.40	970.71	462.56
General office, salaries and expenses.....	2,756.05	3,297.06	473.00	425.94
Undistributed expenses.....	326.29	1,122.96		
Truck operation and maintenance.....	541.95	738.94	342.40	
Interest.....	2,523.03		3.00	
Sinking fund and principal payments on debentures.....	4,512.29			
Depreciation.....	2,926.00	6,365.00	1,293.00	497.00
Other reserves.....				
Total operating costs and fixed charges.....	27,387.32	121,198.51	21,968.60	7,245.92
Net surplus or deficit.....	7,153.15	9,358.21	2,967.08	1,945.78
NUMBER OF CUSTOMERS				
Domestic service.....	382	776	255	96
Commercial light service.....	89	148	76	23
Power service.....	9	29	10	3
Total.....	480	953	341	122

*Generation expense

Utilities for Year Ended December 31, 1953

Elora 1,413	Embro 472	Erieau 427	Erie Beach 74	Erin 693	Essex 3,075	Etobicoke Twp. 70,209
\$	\$	\$	\$	\$	\$	\$
21,731.90	8,584.71	9,214.03	3,099.75	12,067.85	30,724.91	1,333,873.22
9,095.37	2,295.60	4,585.64	195.72	6,742.46	26,705.32	280,868.24
11,879.42	3,658.29	5,462.76	.....	688.33	14,166.37	375,010.05
400.37	.....	.....	.....	.....	2,613.46	29,531.13
3,223.56	660.00	972.00	252.00	950.76	3,951.20	58,947.31
179.09	.....	.....	.....	.....	.....	.....
353.56	151.37	44.11	0.76	18.24	1,987.29	6,232.79
46,863.27	15,349.97	20,278.54	3,548.23	20,467.64	80,148.55	2,084,462.74
32,675.92	10,090.11	12,156.00	1,503.18	8,732.59	49,893.04	1,348,792.70
.....	.....	.....	.....	.....	.....	8,028.45
3,549.48	506.41	1,006.71	121.86	1,392.75	4,997.55	49,981.49
31.87	160.27	94.12	.....	.....	877.52	8,920.48
230.61	300.79	669.78	141.80	213.25	144.20	12,707.62
.....	403.29	70.47	3.29	.....	425.92	59,393.37
532.48	402.37	274.60	53.47	299.30	917.91	9,172.90
.....	.....	.....	.....	.....	113.50	.....
1,374.64	1,047.10	954.88	279.58	940.47	2,599.27	76,063.64
534.94	266.19	864.17	325.44	457.60	4,222.39	50,304.41
536.75	.....	.....	.....	67.99	429.51	.....
699.14	.....	.....	.....	241.46	1,147.10	.....
12.62	3.34	458.23	19.40	424.08	157.21	116,684.73
.....	.....	.....	.....	725.00	1,390.92	88,400.00
1,287.00	979.00	1,308.00	230.00	660.00	4,380.00	82,737.00
.....	.....	.....	.....	.....	.....	1,000.00
41,465.45	14,158.87	17,856.96	2,678.02	14,154.49	71,696.04	1,912,186.79
5,397.82	1,191.10	2,421.58	870.21	6,313.15	8,452.51	172,275.95
425	165	268	123	281	841	21,680
75	40	25	4	56	175	1,337
7	5	4	.....	2	29	253
507	210	297	127	339	1,045	23,270

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Exeter	Fergus	Finch	Flesherton
Population.....	2,605	3,406	370	472
EARNINGS	\$	\$	\$	\$
Domestic service.....	49,514.78	54,233.19	4,920.96	5,285.50
Commercial light service.....	22,394.81	19,690.27	2,902.06	4,921.90
Commercial power service.....	14,089.60	34,190.37	2,112.57	567.54
Municipal power.....	1,083.56	1,287.41		
Street lighting.....	4,939.49	5,801.94	884.00	991.00
Merchandise.....				0.95
Miscellaneous.....	1,269.35	751.00	233.21	377.59
Total earnings.....	93,291.59	115,954.18	11,052.80	12,144.48
EXPENSES				
Power purchased.....	63,649.95	92,554.79	5,475.97	5,500.22
Substation operation.....		503.79		
Substation maintenance.....				
Distribution system, operation and maintenance.....	3,478.93	5,816.60	796.06	732.79
Line transformer maintenance.....	509.29	696.89		65.00
Meter maintenance.....	132.55	896.91	60.86	54.15
Consumers' premises expenses.....	1,344.81	32.15		
Street lighting, operation and maintenance.....	1,384.68	1,192.34	215.01	208.92
Promotion of business.....	217.91			
Billing and collecting.....	4,456.66	2,882.84	711.68	603.76
General office, salaries and expenses.....	4,308.42	2,155.79	264.06	248.36
Undistributed expenses.....	231.06	1,417.90		11.28
Truck operation and maintenance.....	792.90	682.35		
Interest.....	6.28	15.49		
Sinking fund and principal payments on debentures.....				
Depreciation.....	3,911.00	4,405.00	663.00	724.00
Other reserves.....				
Total operating costs and fixed charges.....	84,424.44	113,252.84	8,186.64	8,148.48
Net surplus or deficit.....	8,867.15	2,701.34	2,866.16	3,996.00
NUMBER OF CUSTOMERS				
Domestic service.....	831	1,028	128	154
Commercial light service.....	167	132	35	56
Power service.....	27	19	6	2
Total.....	1,025	1,179	169	212

Utilities for Year Ended December 31, 1953

Fonthill 1,621	Forest 1,800	Forest Hill 17,719	Frankford 1,425	Galt 21,513	Georgetown 3,779
\$	\$	\$	\$	\$	\$
25,486.63	29,118.58	396,992.93	18,257.31	304,554.30	69,134.24
5,895.76	15,966.23	96,417.88	7,219.28	141,434.37	24,926.31
1,924.61	7,951.44	12,503.25	1,256.10	359,145.70	59,168.91
1,392.49	1,403.52	517.04		7,992.02	3,778.09
2,613.44	3,294.56	16,221.66	1,345.43	35,263.00	4,936.36
				1,745.36	
	1,203.23	2,488.24	137.72	6,748.07	552.38
37,312.93	58,937.56	525,141.00	28,215.84	856,882.82	162,496.29
24,016.92	40,410.10	328,359.39	11,055.76	584,305.94	125,537.94
		2,883.27		13,997.94	
				12,468.63	312.76
1,831.98	3,475.99	8,876.99	542.60	23,109.90	5,446.69
332.44	127.76	1,752.10		2,837.14	968.64
787.48	365.43	525.93	318.38	10,037.66	2,176.52
1,353.16	1,935.14	19,761.31		2,243.76	1,897.86
455.71	387.61	3,509.86	97.84	6,352.06	1,099.91
				2,090.81	
1,536.93	1,257.50	13,774.15	1,512.10	11,990.68	5,347.18
916.18	2,950.59	18,161.51	834.66	18,462.52	4,431.02
	961.28			10,581.80	
	374.05				
608.16		3,604.56	420.00	22,671.39	36.23
1,200.00		17,228.71	2,000.00	5,000.00	
1,683.31	1,685.00	27,631.00	1,000.00	51,817.00	5,762.00
		200.00		196.42	
34,722.27	53,930.45	446,268.78	17,781.34	778,163.65	153,016.75
2,590.66	5,007.11	78,872.22	10,434.50	78,719.17	9,479.54
485	623	5,329	387	6,248	1,283
59	135	463	77	688	164
8	20	60	5	190	32
552	778	5,852	469	7,126	1,479

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Glencoe	Goderich	Grand Valley	Granton
Population.....	945	5,675	632	266
EARNINGS	\$	\$	\$	\$
Domestic service.....	7,673.25	95,951.83	9,511.46	4,366.48
Commercial light service.....	10,647.57	47,029.41	3,966.95	1,153.37
Commercial power service.....	2,103.63	61,592.12	4,668.92	174.22
Municipal power.....	745.62	5,141.34		
Street lighting.....	2,655.48	10,876.00	1,157.00	444.00
Merchandise.....		276.21		
Miscellaneous.....	769.03	1,749.27	244.15	31.46
Total earnings.....	24,594.58	222,616.18	19,548.48	6,169.53
EXPENSES				
Power purchased.....	13,670.48	127,853.40	15,024.74	3,532.87
Substation operation.....		3,199.35		
Substation maintenance.....				
Distribution system, operation and maintenance.....	1,405.87	10,565.36	451.84	721.18
Line transformer maintenance.....	15.72	518.03		205.35
Meter maintenance.....	84.20	1,847.38	177.55	4.03
Consumers' premises expenses.....	17.04	178.81		27.91
Street lighting, operation and maintenance.....	336.81	1,810.98	213.50	73.58
Promotion of business.....				
Billing and collecting.....	1,019.17	5,304.94	948.87	634.63
General office, salaries and expenses.....	2,029.24	6,146.89	322.48	180.70
Undistributed expenses.....	81.17	1,945.58		
Truck operation and maintenance.....	302.32	1,450.80		
Interest.....		4,998.63		25.91
Sinking fund and principal payments on debentures.....		5,736.37		281.59
Depreciation.....	1,966.00	12,076.00	710.00	291.00
Other reserves.....				
Total operating costs and fixed charges.....	20,928.02	183,632.52	17,848.98	5,978.75
Net surplus or deficit.....	3,666.56	38,983.66	1,699.50	190.78
NUMBER OF CUSTOMERS				
Domestic service.....	308	1,766	242	90
Commercial light service.....	92	302	57	26
Power service.....	11	52	11	1
Total.....	411	2,120	310	117

Utilities for Year Ended December 31, 1953

Gravenhurst 3,012	Grimsby 3,188	Guelph 29,544	Hagersville 1,790	Hamilton 216,921	Hanover 3,985
\$	\$	\$	\$	\$	\$
40,241.41	37,325.12	349,039.83	17,074.70	2,559,161.24	51,661.74
26,275.64	24,152.32	139,595.74	15,756.14	1,282,714.06	21,112.51
30,135.84	13,537.48	303,225.68	37,946.80	5,527,432.88	43,641.60
971.71	3,452.35	21,913.42	1,326.00	134,862.35	.....
3,356.04	4,790.27	32,187.05	3,105.05	265,983.77	3,514.74
163.39	5.76	.....	672.36	.....	95.19
508.33	660.00	6,053.67	1,335.68	127,524.42	3,643.82
101,652.36	83,923.30	852,015.39	77,216.73	9,897,678.72	123,669.60
70,372.50	67,283.11	690,824.44	55,758.02	7,593,738.98	84,082.91
.....	.....	13,799.85	.....	213,190.45	.....
.....	.....	.....	277.02	26,295.48	.....
3,950.69	1,695.86	31,376.63	5,756.33	183,584.88	6,322.46
158.62	.....	7,139.31	563.91	25,921.18	324.28
875.20	678.42	10,204.07	872.74	105,198.88	1,092.68
.....	70.01	3,014.11	62.20	69,190.80	1,217.96
767.85	797.51	4,790.52	245.18	50,192.90	534.31
.....	.....	.....	.....	33,700.97	.....
3,297.96	4,174.89	15,358.44	1,790.71	221,452.33	2,987.20
2,694.11	2,921.07	16,542.96	1,440.22	197,111.73	3,713.86
757.51	.....	357.58	1,020.09	54,411.73	1,304.73
771.79	.....	.....	326.08	.....	691.00
.....	78.35	12,183.32	.....	12,796.78	.....
.....	.....	16,000.00	.....	.....	.....
4,352.00	3,264.83	43,235.00	1,468.00	285,422.81	4,436.00
87,998.23	80,964.05	864,826.23	69,580.50	9,072,209.90	106,707.39
13,654.13	2,959.25	12,810.84	7,636.23	825,468.82	16,962.21
992	993	7,997	524	57,557	1,134
178	179	943	144	7,087	178
23	18	195	23	1,410	33
1,193	1,190	9,135	691	66,054	1,345

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Harriston	Harrow	Hastings	Havelock
Population.....	1,575	1,762	870	1,252
EARNINGS	\$	\$	\$	\$
Domestic service.....	24,473.35	32,043.98	9,370.62	13,364.06
Commercial light service.....	13,058.43	19,288.40	6,249.46	7,242.02
Commercial power service.....	18,312.22	9,276.13	425.62	1,928.45
Municipal power.....	544.38			
Street lighting.....	2,384.00	1,973.64	1,721.36	2,116.04
Merchandise.....	174.29			
Miscellaneous.....	82.50	459.99	321.31	428.83
Total earnings.....	59,029.17	63,042.14	18,088.37	25,079.40
EXPENSES				
Power purchased.....	38,048.16	39,223.19	8,611.08	12,314.71
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	1,928.04	4,920.22	1,282.51	259.17
Line transformer maintenance.....	211.03	370.62	194.92	38.80
Meter maintenance.....	277.64	161.28	898.50	470.57
Consumers' premises expenses.....	801.97	165.46	8.08	24.79
Street lighting, operation and maintenance.....	280.45	1,035.05	462.04	528.18
Promotion of business.....		60.59		
Billing and collecting.....	2,209.44	3,923.56	1,859.54	1,482.65
General office, salaries and expenses.....	906.89	2,481.70	1,205.47	1,952.00
Undistributed expenses.....	207.36			
Truck operation and maintenance.....	64.46			
Interest.....				997.50
Sinking fund and principal payments on debentures.....				1,500.00
Depreciation.....	2,486.00	2,643.00	853.00	1,670.00
Other reserves.....				
Total operating costs and fixed charges.....	47,421.44	54,984.67	15,375.14	21,238.37
Net surplus or deficit.....	11,607.73	8,057.47	2,713.23	3,841.03
NUMBER OF CUSTOMERS				
Domestic service.....	474	498	343	347
Commercial light service.....	111	109	66	65
Power service.....	16	8	3	2
Total.....	601	615	412	414

Utilities for Year Ended December 31, 1953

Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
759	3,851	376	174	3,288	6,607	1,078
\$	\$	\$	\$	\$	\$	\$
11,492.19	47,770.66	2,949.61	2,420.11	42,147.54	86,636.78	17,690.62
6,881.70	15,539.02	1,779.80	633.97	37,787.77	46,409.37	6,688.49
10,743.33	114,624.48	3,758.42	731.78	24,045.32	94,635.90	1,565.96
498.68	3,706.18			1,867.96	8,978.43	1,318.64
1,128.00	7,742.00	760.08	360.00	4,501.50	8,780.65	1,882.00
				169.73		
72.44	2,889.67	158.27	61.72	11.50	2,223.29	367.22
30,816.34	192,272.01	9,406.18	4,207.58	110,531.32	247,664.42	29,512.93
19,422.62	146,709.74	7,104.18	2,634.45	79,713.18	176,689.15	18,955.51
	924.93				2,427.91	
1,310.62	7,797.71	747.31	158.46	6,501.98	5,450.44	680.21
240.48	186.93			215.69	1,933.09	293.07
136.43	1,027.81	12.83	11.00	1,708.16	4,534.19	629.22
714.65	73.77				2,371.39	
278.09	1,060.06	69.21	79.49	1,046.15	1,485.38	480.06
					398.23	
588.63	3,805.55	453.26	253.20	3,405.18	5,093.82	2,252.65
420.41	3,022.48	245.61	254.94	4,085.43	13,485.71	1,537.81
47.67	2,084.28			1,635.24	3,502.60	98.11
	1,374.91			737.72	1,689.11	291.04
30.84		7.96		10.31	3,301.98	
					2,728.81	
1,904.00	5,956.00	431.00	267.00	3,169.00	9,113.00	844.00
25,094.44	174,024.17	9,071.36	3,658.54	102,228.04	234,204.81	26,061.68
5,721.90	18,247.84	334.82	549.04	8,303.28	13,459.61	3,451.25
250	1,051	120	74	905	1,917	365
61	117	30	17	189	256	67
20	31	7	1	26	46	9
331	1,199	157	92	1,120	2,219	441

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Jarvis	Kemptville	Kincardine	Kingston
Population.....	633	1,566	2,680	44,888
EARNINGS	\$	\$	\$	\$
Domestic service.....	5,021.62	22,504.28	33,378.07	556,622.80
Commercial light service.....	4,393.84	10,816.35	19,059.54	394,049.24
Commercial power service.....	4,864.02	18,223.52	21,815.04	247,579.35
Municipal power.....	1,233.15	1,399.04	1,399.04	19,625.52
Street lighting.....	858.00	2,021.00	4,674.89	35,293.23
Merchandise.....			29.43	
Miscellaneous.....	368.36	595.82	1,191.12	17,424.67
Total earnings.....	15,505.84	55,394.12	81,547.13	1,270,594.81
EXPENSES				
Power purchased.....	10,439.30	34,069.27	56,927.62	763,463.39
Substation operation.....			2,555.73	21,529.18
Substation maintenance.....				4,522.61
Distribution system, operation and maintenance.....	710.27	3,214.33	3,318.91	50,157.87
Line transformer maintenance.....		115.81	467.80	2,596.06
Meter maintenance.....	6.20	1,402.68	1,419.70	18,360.34
Consumers' premises expenses.....		201.44	2,393.76	1,622.51
Street lighting, operation and maintenance.....	173.57	203.50	971.44	7,536.34
Promotion of business.....				1,133.21
Billing and collecting.....	1,048.79	2,273.85	2,657.99	25,273.01
General office, salaries and expenses.....	133.02	1,471.26	2,461.32	76,614.51
Undistributed expenses.....		141.72	1,504.16	24,514.79
Truck operation and maintenance.....		720.19	775.30	15,112.86
Interest.....			2.95	
Sinking fund and principal payments on debentures.....				
Depreciation.....	887.00	2,069.00	4,313.00	72,576.00
Other reserves.....				
Total operating costs and fixed charges.....	13,398.15	45,883.05	79,769.68	1,085,012.68
Net surplus or deficit.....	2,107.69	9,511.07	1,777.45	185,582.13
NUMBER OF CUSTOMERS				
Domestic service.....	192	510	885	11,374
Commercial light service.....	52	97	157	1,352
Power service.....	7	13	22	220
Total.....	251	620	1,064	12,946

Utilities for Year Ended December 31, 1953

Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
2,670	232	52,773	1,837	1,307	814	577
\$	\$	\$	\$	\$	\$	\$
38,476.65	2,572.46	811,903.73	20,593.51	26,726.90	6,643.25	4,899.84
27,745.39	1,898.44	365,320.01	14,748.76	2,991.57	4,217.45	3,050.39
13,595.44		898,389.86	18,573.15	1,122.61	1,229.02	
1,907.04		54,255.05		769.14		
3,641.31	432.00	96,365.62	2,459.37	1,271.76	693.00	562.40
1,328.63	91.74	12,418.90	887.11	101.60	528.05	173.98
86,694.46	4,994.64	2,238,653.17	57,261.90	32,983.58	13,310.77	8,686.61
53,390.12	2,170.01	1,519,804.01	29,620.87	20,986.40	6,548.52	4,187.33
		28,701.95				
		29,080.21				
3,937.51	323.59	73,783.46	3,337.29	687.82	350.67	218.90
209.86		11,529.54	174.12	364.15	19.25	
1,060.24	39.80	15,207.92	511.90	63.61	213.55	51.83
		4,162.48	3.78	142.38		
918.28	49.00	17,484.84	351.61	515.01	191.91	160.11
		1,159.04				
3,931.90	290.00	43,920.46	4,403.25	2,066.03	703.34	572.20
3,040.39	137.30	58,352.72	2,545.61	855.28	333.69	197.31
		9,766.67	306.83			
306.89			1,203.11			
311.57		34,159.93		1,099.36		
2,166.02		73,200.00		1,616.38		
3,900.00	401.00	94,165.00	2,517.00	1,493.00	762.00	342.00
73,172.78	3,410.70	2,014,478.23	44,975.37	29,889.42	9,122.93	5,729.68
13,521.68	1,583.94	224,174.94	12,286.53	3,094.16	4,187.84	2,956.93
899	72	14,451	518	409	236	149
190	27	1,505	103	37	49	31
29		397	11	3	1	
1,118	99	16,353	632	449	286	180

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	La Salle	Leamington	Lindsay	Listowel
Population.....	2,145	7,732	9,843	3,477
EARNINGS	\$	\$	\$	\$
Domestic service.....	42,496.50	81,573.03	154,297.33	54,767.07
Commercial light service.....	9,594.12	47,343.37	78,851.73	36,896.14
Commercial power service.....	2,021.29	64,810.49	94,029.87	33,174.20
Municipal power.....		4,088.18	4,705.62	1,949.42
Street lighting.....	1,283.50	10,945.25	9,297.07	6,319.36
Merchandise.....			1,366.03	126.28
Miscellaneous.....	1,143.24	386.89	1,923.35	647.57
Total earnings.....	56,538.65	209,147.21	344,471.00	133,880.04
EXPENSES				
Power purchased.....	32,464.16	147,656.32	210,523.40	93,796.09
Substation operation.....		866.13	5,224.70	1,540.47
Substation maintenance.....			69.69	
Distribution system, operation and maintenance.....	1,624.98	4,679.72	7,637.21	4,198.44
Line transformer maintenance.....	414.20	1,445.55	817.19	894.33
Meter maintenance.....	364.75	271.12	2,884.76	1,005.98
Consumers' premises expenses.....	506.87	11.58	11,210.27	489.88
Street lighting, operation and maintenance.....	235.95	3,262.60	1,214.84	1,462.41
Promotion of business.....		27.00		
Billing and collecting.....	1,793.58	5,860.98	9,704.66	3,066.27
General office, salaries and expenses.....	1,991.82	9,070.88	16,695.90	2,970.02
Undistributed expenses.....	144.86	1,572.09	8,555.09	866.41
Truck operation and maintenance.....	907.32	1,665.37	2,425.63	1,183.51
Interest.....	145.17	16.34	3,471.49	3,046.83
Sinking fund and principal payments on debentures.....				
Depreciation.....	2,561.00	9,160.00	15,526.00	4,072.00
Other reserves.....		225.00		
Total operating costs and fixed charges.....	43,154.66	185,790.68	295,960.83	118,592.64
Net surplus or deficit.....	13,383.99	23,356.53	48,510.17	15,287.40
NUMBER OF CUSTOMERS				
Domestic service.....	580	2,271	2,827	1,087
Commercial light service.....	43	395	450	199
Power service.....	6	51	83	35
Total.....	629	2,717	3,360	1,321

Utilities for Year Ended December 31, 1953

London 99,147	London Twp. 20,814	Long Branch 9,140	L'Orignal 1,044	Lucan 896	Lucknow 911	Lynden 435
\$	\$	\$	\$	\$	\$	\$
1,238,644.11	48,720.34	126,594.68	6,243.42	14,813.38	11,686.92	7,069.37
620,858.40	6,977.02	40,125.00	2,523.63	7,978.72	6,655.70	1,315.07
956,989.46	2,735.23	42,597.03	892.38	2,625.85	10,437.78	2,251.13
116,768.53	.....	3,026.61	.....	.....	577.15	.....
108,470.24	1,700.00	9,734.68	360.00	1,641.85	2,392.00	500.00
1,243.70	.....	.....	.....	.....	.....	.....
35,598.69	82.53	368.37	.....	227.27	500.50	277.61
3,078,573.13	60,215.12	222,446.37	10,019.43	27,287.07	32,250.05	11,413.18
2,024,753.03	44,346.68	149,434.32	2,699.99	19,662.95	20,634.00	8,043.91
78,834.93	.....	.....	.....	.....	.....	.....
70,731.36	2,207.30	9,334.12	233.27	482.43	2,667.23	184.93
35,830.16	143.28	1,602.90	28.55	122.70	193.75	.....
47,279.19	109.99	494.04	14.77	57.67	399.39	78.01
126,359.31	258.20	3,918.98	12.77	312.16	.....	.....
21,902.40	847.96	2,817.42	127.23	99.05	447.34	136.25
5,629.05	.....	.....	.....	.....	.....	.....
64,444.38	3,285.02	10,940.08	332.62	906.61	1,826.05	331.01
127,742.44	1,300.92	9,078.34	20.55	682.09	1,313.59	316.57
22,758.63	.....	.....	.....	31.20	87.94	.....
4,103.41	.....	.....	.....	.....	75.50	.....
24,270.26	902.92	2,952.38	588.40	157.15	24.41	.....
24,000.00	1,251.90	.....	500.00	.....	.....	.....
125,742.00	2,628.00	6,054.00	663.00	1,423.00	1,567.00	358.00
10,119.98	.....	250.00	.....	.....	.....	.....
2,814,500.53	57,282.17	196,876.58	5,221.15	23,937.01	29,236.20	9,448.68
264,072.60	2,932.95	25,569.79	4,798.28	3,350.06	3,013.85	1,964.50
26,096	856	2,419	248	260	365	136
2,545	25	282	21	62	107	14
429	4	30	2	6	12	3
29,070	885	2,731	271	328	484	153

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magnet- awan 225	Markdale	Markham
Population.....	1,422		872	1,913
EARNINGS	\$	\$	\$	\$
Domestic service.....	16,371.43	3,120.60	8,614.12	29,326.48
Commercial light service.....	13,104.56	2,660.73	7,447.75	10,469.77
Commercial power service.....	7,799.82	43.26	1,691.45	5,041.23
Municipal power.....	299.69		449.02	478.97
Street lighting.....	2,869.32	819.96	1,360.00	2,020.00
Merchandise.....				
Miscellaneous.....	147.08	22.24	0.37	360.00
Total earnings.....	40,591.90	6,666.79	19,562.71	47,696.45
EXPENSES				
Power purchased.....	20,048.61	2,211.17	15,518.63	34,187.24
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	806.80	162.80	669.41	891.19
Line transformer maintenance.....	102.25		21.29	106.00
Meter maintenance.....	483.09	79.95	113.51	263.55
Consumers' premises expenses.....				12.76
Street lighting, operation and main- tenance.....	663.17	158.24	436.96	390.26
Promotion of business.....				
Billing and collecting.....	2,245.34	285.03	1,001.68	2,480.75
General office, salaries and expenses.....	1,311.71	97.14	371.53	1,365.94
Undistributed expenses.....	255.16			
Truck operation and maintenance.....				
Interest.....	2.47	960.00		16.89
Sinking fund and principal payments on debentures.....				
Depreciation.....	1,979.00	487.00	1,127.00	2,377.00
Other reserves.....				15.00
Total operating costs and fixed charges.....	27,897.60	4,441.33	19,260.01	42,106.58
Net surplus or deficit.....	12,694.30	2,225.46	302.70	5,589.87
NUMBER OF CUSTOMERS				
Domestic service.....	409	61	274	587
Commercial light service.....	118	21	84	90
Power service.....	9	1	7	12
Total.....	536	83	365	689

Utilities for Year Ended December 31, 1953

Marmora 1,231	Martin- town 125	Maxville 734	Meaford 3,372	Merlin 543	Merrick- ville 988	Merritton 5,135
\$	\$	\$	\$	\$	\$	\$
12,618.28	2,639.02	7,215.63	39,786.67	4,890.56	9,381.46	68,212.69
9,616.76	1,684.60	5,337.18	22,551.11	4,738.59	4,816.51	16,334.48
1,625.22		2,149.80	23,880.07	2,328.80	4,416.41	461,516.43
			1,221.84		480.86	2,672.19
2,365.00	253.00	1,131.00	4,413.64	970.44	1,479.96	9,602.87
			232.95			34.67
339.76	84.09	225.97	1,414.19	1,792.25	107.64	3,353.24
26,565.02	4,660.71	16,059.58	93,500.47	14,720.64	20,682.84	561,726.57
13,921.52	2,860.60	9,365.64	62,199.77	8,010.70	9,234.26	495,040.51
						1,687.93
2,140.67	94.82	847.95	6,636.38	287.07	1,682.66	11,916.33
267.91		4.50	275.63	19.20		164.66
443.78	30.21	111.35	1,197.23	33.63	404.62	3,186.50
			26.10	120.67	59.48	1,070.48
524.45	54.84	241.63	798.00	155.40	794.58	1,255.58
						133.20
1,210.79	407.80	715.48	2,649.02	865.00	1,420.34	9,508.87
786.74	158.29	453.30	2,113.31	1,934.28	698.32	9,560.06
344.42		16.84	798.35			
199.72			902.40			
				6.43	812.00	
					900.00	
1,043.00	285.00	906.00	3,842.00	1,253.00	817.00	8,960.00
20,883.00	3,891.56	12,662.69	81,438.19	12,685.38	16,823.26	542,484.12
5,682.02	769.15	3,396.89	12,062.28	2,035.26	3,859.58	19,242.45
346	79	216	1,069	165	275	1,353
67	24	54	185	58	52	96
3		2	30	4	9	21
416	103	272	1,284	227	336	1,470

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
Population.....	7,539	815	746	2,650	1,074
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	97,541.53	9,036.66	10,884.57	45,988.16	16,991.52
Commercial light service.....	42,932.42	5,611.55	5,793.62	20,507.55	10,280.81
Commercial power service.....	122,525.30	1,538.82	757.07	65,682.22	11,556.34
Municipal power.....	3,043.84	208.51		1,527.16	650.47
Street lighting.....	7,753.98	968.75	1,231.96	6,880.72	1,564.00
Merchandise.....	112.97				3.10
Miscellaneous.....	2,806.65	331.83	174.23	184.00	123.03
Total earnings.....	276,716.69	17,696.12	18,841.45	140,769.81	41,169.27
EXPENSES					
Power purchased.....	197,493.56	10,037.90	9,131.76	99,463.33	32,764.40
Substation operation.....	7,181.60				
Substation maintenance.....	73.86			188.58	
Distribution system, operation and maintenance.....	4,885.68	1,356.99	285.41	2,993.91	1,777.75
Line transformer maintenance.....	1,579.31			154.51	444.66
Meter maintenance.....	3,564.44	41.90	23.73	659.96	101.06
Consumers' premises expenses.....	70.98			969.37	
Street lighting, operation and maintenance.....	1,929.89	303.90	157.38	1,344.17	366.76
Promotion of business.....	8.36				
Billing and collecting.....	4,148.39	597.25	2,017.66	3,678.52	1,697.35
General office, salaries and expenses	8,669.52	532.37	1,865.62	6,014.31	574.89
Undistributed expenses.....	3,529.38	25.13			59.77
Truck operation and maintenance.....	1,608.45				697.25
Interest.....	907.66			1,174.46	57.35
Sinking fund and principal payments on debentures.....				828.78	
Depreciation.....	12,223.00	707.00	759.00	5,565.00	1,420.00
Other reserves.....				60.00	
Total operating costs and fixed charges.....	247,874.08	13,602.44	14,240.56	123,094.90	39,961.24
Net surplus or deficit.....	28,842.61	4,093.68	4,600.89	17,674.91	1,208.03
NUMBER OF CUSTOMERS					
Domestic service.....	2,076	239	240	845	334
Commercial light service.....	268	64	61	136	85
Power service.....	62	7	2	21	15
Total.....	2,406	310	303	1,002	434

Utilities for Year Ended December 31, 1953

Mimico 12,301	Mitchell 1,996	Moorefield 293	Morrisburg 1,874	Mount Brydges 695	Mount Forest 2,219	Napanee 3,877
\$	\$	\$	\$	\$	\$	\$
187,004.82	37,770.42	3,214.91	22,319.34	7,658.96	26,219.33	57,300.78
54,260.56	17,481.01	2,341.16	14,476.79	2,749.55	19,785.54	41,906.79
29,540.77	16,078.04	1,475.28	7,417.32	2,434.38	12,146.05	23,985.85
10,368.10	2,345.41		1,627.98		780.96	586.46
13,534.58	4,138.50	350.00	3,300.24	947.00	2,788.00	5,858.43
	748.69					5,117.42
5,847.12	1,338.37	77.41	1,050.95	38.23	770.05	1,332.66
300,555.95	79,900.44	7,458.76	50,192.62	13,828.12	62,489.93	136,088.39
174,063.68	47,813.63	4,605.51	27,834.10	8,443.73	37,430.65	84,080.76
	1,684.32		*3,359.57			
1,734.19						
24,199.68	3,912.63	68.54	2,598.96	115.63	4,345.35	5,010.72
488.58	766.62		682.91		134.30	117.58
1,160.54	1,436.86	39.31	882.65		709.42	1,617.53
1,010.81	2,692.97			11.22		2,025.82
3,143.52	1,392.35	99.03	466.03	99.97	579.17	1,229.35
10,331.88	2,719.90	274.12	2,146.67	1,407.03	2,522.00	2,467.08
14,623.10	2,327.38	99.33	2,414.90	67.19	992.70	13,851.69
	1,892.57		650.57		210.25	1,148.32
	1,453.11		1,576.10		1,114.62	295.20
5,142.50	1,182.05			4.53		
4,000.00	900.00					
15,909.00	4,335.00	239.00	1,648.00	846.00	1,603.00	5,205.00
255,807.48	74,509.39	5,424.84	44,260.46	10,995.30	49,641.46	117,049.05
44,748.47	5,391.05	2,033.92	5,932.16	2,832.82	12,848.47	19,039.34
3,563	656	82	538	232	666	1,177
284	136	27	142	51	167	248
48	27	2	31	4	22	31
3,895	819	111	711	287	855	1,456

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Neustadt	Newboro	Newburgh	Newbury	Newcastle
Population	458	302	491	288	1,025
EARNINGS	\$	\$	\$	\$	\$
Domestic service	4,441.40	3,954.82	6,062.13	3,301.35	12,973.95
Commercial light service	2,550.58	1,410.62	3,034.57	1,149.60	6,714.98
Commercial power service	4,736.78		1,545.62	209.72	10,382.95
Municipal power					
Street lighting	650.00	799.98	555.00	720.00	1,892.70
Merchandise					
Miscellaneous	488.53	66.87	42.09	219.06	365.16
Total earnings	12,867.29	6,232.29	11,239.41	5,599.73	32,329.74
EXPENSES					
Power purchased	6,740.60	1,697.35	4,711.91	3,406.13	21,168.10
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	290.89	365.09	367.47	59.53	1,530.61
Line transformer maintenance			28.45	10.00	29.45
Meter maintenance	57.30	16.00	61.41	10.00	466.40
Consumers' premises expenses					270.00
Street lighting, operation and maintenance	103.66	35.47	31.15	118.39	406.41
Promotion of business					
Billing and collecting	1,036.95	362.32	700.61	235.75	1,535.45
General office, salaries and expenses	522.79	211.76	151.16	181.30	1,387.36
Undistributed expenses	39.92			6.00	452.73
Truck operation and maintenance					206.09
Interest	53.69	453.32	475.82		
Sinking fund and principal payments on debentures		691.34	1,050.00		
Depreciation	1,030.00	454.00	641.00	362.00	910.00
Other reserves					
Total operating costs and fixed charges	9,875.80	4,286.65	8,218.98	4,389.10	28,362.60
Net surplus or deficit	2,991.49	1,945.64	3,020.43	1,210.63	3,967.14
NUMBER OF CUSTOMERS					
Domestic service	153	92	141	101	313
Commercial light service	36	18	24	23	50
Power service	3		3	1	11
Total	192	110	168	125	374

Utilities for Year Ended December 31, 1953

New Hamburg 1,822	New- market 5,686	New Toronto 9,744	Niagara 2,535	Niagara Falls 25,006	North York Twp. 110,311	Norwich 1,415
\$	\$	\$	\$	\$	\$	\$
27,600.73	80,779.61	136,192.34	56,298.08	265,659.16	2,224,921.67	26,440.34
13,923.76	38,068.02	77,898.89	16,857.42	198,908.47	454,808.98	12,454.77
16,532.72	39,311.65	390,607.08	2,930.64	204,259.42	399,450.84	3,877.23
.....	2,221.55	30,380.01	1,541.61	29,172.78	41,139.87	697.67
2,754.06	10,137.95	15,596.16	5,382.90	43,192.52	53,485.39	3,172.67
269.90	.....	.....	933.05	.....	.....	129.59
423.57	70.39	5,916.47	150.21	4,223.77	4,936.17	412.96
61,504.74	170,589.17	656,590.95	84,093.91	745,416.12	3,178,742.92	47,185.23
42,339.78	111,205.10	541,665.13	50,918.61	467,433.84	1,940,782.96	32,023.40
439.53	.....	.....	552.89	24,392.77	.....	.....
.....	1,593.15	.....	.....	.....	14,620.85	.....
2,217.59	6,034.09	8,987.16	6,328.18	34,480.06	96,445.25	4,983.69
217.43	732.82	2,880.06	691.39	3,399.60	19,998.20	460.80
486.59	914.07	3,183.96	1,379.77	6,950.37	17,486.77	420.10
1,729.55	100.41	259.49	156.32	9,121.05	14,758.40	1,860.25
551.19	1,852.71	3,399.81	1,225.24	6,801.95	17,427.10	280.97
1,787.40	6,485.17	11,726.00	2,928.88	24,781.68	112,689.85	1,354.05
1,513.14	6,167.56	21,857.89	2,407.13	25,908.98	78,470.95	1,478.13
464.33	.....	.....	.....	.....	.....	213.44
307.84	.....	.....	.....	.....	.....	167.55
18.70	1,989.14	.....	732.85	.....	162,215.27	205.82
.....	2,272.78	.....	1,200.00	.....	138,799.88	.....
2,444.00	7,344.00	14,693.00	5,210.00	49,333.00	134,964.00	1,686.00
.....	.....	.....	.....	.....	6,937.09	.....
54,517.07	146,691.00	608,652.50	73,731.26	652,603.30	2,755,596.57	45,134.20
6,987.67	23,898.17	47,938.45	10,362.65	92,812.82	423,146.35	2,051.03
498	1,623	2,533	980	6,060	32,561	489
118	247	347	115	1,029	2,173	106
19	43	75	13	169	317	11
635	1,913	2,955	1,108	7,258	35,051	606

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Norwood	Oakville	Oil Springs	Omeme
Population	1,026	8,122	494	773
EARNINGS	\$	\$	\$	\$
Domestic service	12,074.60	110,102.97	4,342.35	8,785.00
Commercial light service	7,396.69	80,440.16	2,367.87	3,570.44
Commercial power service	3,831.21	92,094.74	5,986.35	1,700.08
Municipal power	358.86	8,931.58	197.59	.....
Street lighting	3,036.85	10,884.84	746.00	1,376.95
Merchandise .....	.....	.....	.....	.....
Miscellaneous	148.72	1,900.99	1,272.96	349.96
Total earnings	26,846.93	304,355.28	14,913.12	15,782.43
EXPENSES				
Power purchased	12,607.96	192,346.46	8,745.09	8,252.12
Substation operation .....	.....	.....	.....	.....
Substation maintenance .....	.....	561.24	.....	.....
Distribution system, operation and maintenance	387.74	5,112.05	551.19	1,722.53
Line transformer maintenance	41.84	2,560.40	.....	223.40
Meter maintenance	377.62	2,593.57	91.78	336.93
Consumers' premises expenses	83.48	957.46	6.29	18.75
Street lighting, operation and maintenance	296.90	2,463.19	122.54	563.45
Promotion of business .....	.....	.....	4.70	.....
Billing and collecting	1,210.02	10,720.99	1,251.68	876.08
General office, salaries and expenses	1,251.58	14,205.63	941.29	397.93
Undistributed expenses .....	.....	.....	.....	58.48
Truck operation and maintenance .....	.....	.....	.....	.....
Interest	680.00	10,013.60	.....	.....
Sinking fund and principal payments on debentures	1,000.00	5,000.00	.....	.....
Depreciation	2,083.00	14,439.00	956.00	879.00
Other reserves .....	.....	476.33	.....	.....
Total operating costs and fixed charges	20,020.14	261,449.92	12,670.56	13,328.67
Net surplus or deficit	6,826.79	42,905.36	2,242.56	2,453.76
NUMBER OF CUSTOMERS				
Domestic service	296	2,337	139	235
Commercial light service	73	427	38	39
Power service	5	86	32	6
Total	374	2,850	209	280

Utilities for Year Ended December 31, 1953

Orangeville	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
3,489	594	44,101	224,577†	601	17,112	746
\$	\$	\$	\$	\$	\$	\$
43,653.31	12,155.32	663,353.16	2,677,252.34	8,399.94	215,205.13	9,624.62
28,932.61	3,676.98	239,520.45	2,285,951.41	3,464.96	122,293.28	5,193.91
8,212.99	581.37	752,729.86	636,886.35	1,240.90	139,660.92	2,401.62
751.58		20,129.16	151,355.54	135.58	151.94	268.70
5,251.69	831.25	58,709.51	180,456.50	1,062.00	16,954.90	1,935.00
44.04					858.02	3.82
1,103.92	450.86	49,945.19	48,680.40	110.13	2,581.21	144.70
87,950.14	17,695.78	1,784,387.33	5,980,582.54	14,413.51	497,705.40	19,572.37
63,558.39	8,297.03	1,060,562.91	3,106,151.75	9,271.73	299,468.86	11,854.84
		2,164.83	*{401,121.80		11,133.23	
		434.83	{ 23,626.06		628.47	
5,787.37	386.95	38,712.16	214,698.23	895.69	14,481.37	1,425.80
283.40	3.20	1,258.67	72,943.32	22.93	2,036.49	203.91
897.15	242.20	15,476.24	75,941.00	57.99	6,770.44	376.21
13.50		22,103.72	12,363.51	223.60	4,595.16	4.58
731.97	187.07	7,320.88	47,180.56	227.10	3,762.50	480.09
		911.16			381.86	
3,102.19	1,615.95	43,698.96	277,897.97	483.62	20,742.17	951.61
1,137.29	1,531.20	36,093.70	124,574.77	557.20	22,881.31	790.85
613.70	161.66	6,767.40		5.00	5,827.68	14.79
272.42						
358.87		9,180.53	155,070.38	1.27	2,841.55	
		13,333.33	247,681.00		5,500.00	
4,360.00	875.00	67,607.00	546,741.00	637.00	19,699.00	1,154.00
			109,115.00		1,000.00	
81,116.25	13,300.26	1,325,626.32	5,415,106.35	12,383.13	421,750.09	17,256.68
6,833.89	4,395.52	458,761.01	565,476.19	2,030.38	75,955.31	2,315.69
1,002	254	12,119	55,305	205	4,702	270
215	43	1,119	7,924	53	657	63
37	3	189	998	9	123	6
1,254	300	13,427	64,227	267	5,482	339

*Includes \$188,546.35 generation expense

†Includes Eastview and Rockcliffe Park

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Palmerston	Paris	Parkhill	Parry Sound
Population	1,618	5,396	1,008	5,264
EARNINGS	\$	\$	\$	\$
Domestic service	22,034.59	64,781.97	17,406.42	62,068.34
Commercial light service	11,572.70	21,658.51	10,146.73	37,855.41
Commercial power service	10,093.27	41,395.08	5,517.13	9,713.45
Municipal power	1,625.73	1,205.78	873.36	3,028.40
Street lighting	3,687.65	12,044.50	2,947.95	7,379.35
Merchandise				
Miscellaneous	935.29	883.98	12.33	3,293.47
Total earnings	49,949.23	141,969.82	36,903.92	123,338.42
EXPENSES				
Power purchased	33,896.08	91,419.03	22,294.52	36,207.67
Substation operation		1,569.44		* { 17,442.70
Substation maintenance				769.87
Distribution system, operation and maintenance	2,294.59	6,071.51	2,550.90	6,538.08
Line transformer maintenance	425.53	1,217.31	143.48	527.22
Meter maintenance	456.54	2,158.03	351.31	2,825.41
Consumers' premises expenses	502.89	469.58	147.20	1,327.34
Street lighting, operation and maintenance	935.28	3,710.96	337.39	1,761.81
Promotion of business				
Billing and collecting	1,753.09	3,183.02	1,298.90	5,689.04
General office, salaries and expenses	1,906.48	2,912.17	596.03	11,129.96
Undistributed expenses	467.72	1,873.90	82.43	6,732.38
Truck operation and maintenance	338.21	2,488.79	329.22	2,567.03
Interest		1,089.00	483.00	
Sinking fund and principal payments on debentures		800.00	600.00	
Depreciation	3,015.00	9,428.00	1,632.00	10,825.00
Other reserves				
Total operating costs and fixed charges	45,991.41	128,390.74	30,846.38	104,343.51
Net surplus or deficit	3,957.82	13,579.08	6,057.54	18,994.91
NUMBER OF CUSTOMERS				
Domestic service	493	1,460	360	1,442
Commercial light service	105	212	92	263
Power service	23	34	12	24
Total	621	1,706	464	1,729

*Includes \$17,992.57 generation expense

Utilities for Year Ended December 31, 1953

Penetang- uishene 4,553	Perth 5,042	Peter- borough 39,714	Petrolia 3,293	Picton 4,416	Plattsville 454	Point Edward 2,035
\$	\$	\$	\$	\$	\$	\$
35,883.75	59,951.28	551,790.69	34,038.37	58,917.23	7,083.10	24,616.93
19,869.80	31,850.81	233,316.35	24,795.43	36,088.86	4,290.05	8,344.59
27,205.54	25,912.52	437,274.90	29,693.93	16,016.89	5,681.93	113,547.32
2,057.46	1,101.52	13,659.01		4,071.96		
3,992.33	6,186.02	52,318.26	4,955.04	4,002.00	459.00	2,760.64
133.26	474.97					
2,115.80	3,379.84	2,469.06	2,050.90	1,671.40	179.21	1,656.37
91,257.94	128,856.96	1,290,828.27	95,533.67	120,768.34	17,693.29	150,925.85
67,070.53	88,508.12	806,459.75	47,903.18	82,916.37	14,056.00	109,397.59
	99.66	17,941.26	316.01	36.62		
		5,103.23				
5,456.81	6,001.38	39,509.51	5,503.55	3,015.85	25.62	2,815.25
509.95	431.26	1,489.66	606.22	303.78		1,399.38
1,106.88	1,612.65	27,953.67	823.91	1,062.85	82.53	417.32
929.49	102.34	23,857.72	3,270.60	84.21		1,260.11
904.36	1,172.56	14,305.10	557.95	1,010.03	49.77	820.29
		150.15	23.50			87.18
3,618.14	4,103.83	37,130.03	4,883.19	2,887.88	338.37	3,932.28
2,683.03	7,284.90	19,928.51	8,889.75	4,554.86	38.00	5,194.21
1,492.39	529.98	24,167.76	3,338.73	1,377.15	5.00	16.02
566.40	1,482.46		1,433.08	716.43		
238.20		22,062.09	67.13	2.50	1.39	28.33
		19,300.00				
3,583.00	4,641.00	73,030.00	3,879.00	6,663.00	520.00	2,973.00
88,159.18	115,970.14	1,132,388.44	81,495.80	104,631.53	15,116.68	128,340.96
3,098.76	12,886.82	158,439.83	14,037.87	16,136.81	2,576.61	22,584.89
1,082	1,500	10,864	984	1,404	146	588
163	250	1,334	165	296	29	60
21	34	225	55	45	1	14
1,266	1,784	12,423	1,204	1,745	176	662

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Colborne 13,113	Port Credit 4,556	Port Dalhousie 2,762	Port Dover 2,487	Port Elgin 1,627
Population.....					
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	99,345.48	83,409.69	60,947.52	30,208.68	31,926.65
Commercial light service.....	66,855.08	33,800.95	12,573.51	16,903.16	16,989.84
Commercial power service.....	47,348.19	27,147.65	13,830.79	15,810.50	5,872.18
Municipal power.....	8,134.00	6,949.12		31.43	734.94
Street lighting.....	16,976.71	6,420.00	3,293.00	4,756.25	3,388.45
Merchandise.....	152.48		113.55	0.30	30.00
Miscellaneous.....	1,755.47	927.38		9.43	212.23
Total earnings.....	240,567.41	158,654.79	90,758.37	67,719.75	59,154.29
EXPENSES					
Power purchased.....	148,253.99	101,805.08	56,806.49	42,860.59	33,574.14
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	20,048.79	5,757.93	6,191.61	4,018.30	5,079.40
Line transformer maintenance.....	3,688.42	1,154.61	435.23	519.35	513.57
Meter maintenance.....	14,191.67	294.03	994.26	1,362.04	481.97
Consumers' premises expenses.....	4,163.27	1,404.67	1,023.93	3.30	271.27
Street lighting, operation and main- tenance.....	5,714.92	2,946.01	540.30	1,049.26	462.96
Promotion of business.....					
Billing and collecting.....	16,149.87	4,566.80	4,612.47	1,890.86	3,251.75
General office, salaries and expenses	8,892.82	3,011.72	4,654.01	1,523.13	2,085.19
Undistributed expenses.....				262.71	684.58
Truck operation and maintenance.....				1,106.17	1,012.07
Interest.....	21.84	3,450.60	504.01	493.95	1.00
Sinking fund and principal pay- ments on debentures.....		7,219.37	1,606.64	252.01	
Depreciation.....	12,200.00	5,799.00	2,835.00	4,145.00	2,545.00
Other reserves.....					
Total operating costs and fixed charges.....	233,325.59	137,409.82	80,203.95	59,486.67	49,962.90
Net surplus or deficit.....	7,241.82	21,244.97	10,554.42	8,233.08	9,191.39
NUMBER OF CUSTOMERS					
Domestic service.....	3,345	1,428	989	1,067	715
Commercial light service.....	448	173	95	182	151
Power service.....	58	27	12	25	11
Total.....	3,851	1,628	1,096	1,274	877

Utilities for Year Ended December 31, 1953

Port Hope 6,420	Port McNicol 901	Port Perry 1,961	Port Rowan 738	Port Stanley 1,427	Prescott 3,930	Preston 8,519
\$	\$	\$	\$	\$	\$	\$
105,875.48	10,770.48	28,777.97	6,354.09	30,793.62	56,817.23	121,068.32
44,032.26	1,955.94	13,626.22	5,998.45	11,965.45	28,047.98	43,543.31
94,095.96	41,056.31	3,963.31	786.17	11,908.12	23,946.50	167,239.44
2,823.94	462.51		552.93	1,150.38	1,714.58	3,190.55
9,676.99	1,140.00	2,189.90	1,108.00	3,742.50	4,834.16	12,632.06
	21.42					
735.30	123.12	643.10	11.51	652.20	507.99	350.94
257,239.93	55,529.78	49,200.50	14,811.15	60,212.27	115,868.44	348,024.62
180,941.24	42,177.69	26,602.34	8,180.93	39,281.52	73,386.01	222,547.79
235.42					2,530.68	2,439.62
7,113.34	1,082.14	3,781.22	498.44	6,614.77	3,245.63	11,612.81
489.50	30.38	390.61		257.94	199.22	2,586.78
3,310.80	153.55	529.16	11.90	655.84	1,298.78	4,323.03
4,011.66	36.46	294.33		90.80	814.83	738.90
1,595.44	222.24	427.25	96.25	1,508.57	1,452.22	2,326.68
6,625.21	996.89	2,777.81	593.10	3,229.14	3,864.48	6,245.00
10,435.68	875.33	2,181.92	120.57	1,580.77	5,884.80	7,404.79
2,567.39		21.77	20.12		934.20	
473.05	330.48	1,037.00	151.73	1,126.66	608.53	
411.68	90.24	6.26		3.73	346.50	11,357.05
1,300.00	300.00				1,100.00	8,400.00
8,301.00	987.00	1,874.00	889.00	3,359.00	3,386.00	17,125.00
	75.00					
227,811.41	47,357.40	39,923.67	10,562.04	57,708.74	99,051.88	297,107.45
29,428.52	8,172.38	9,276.83	4,249.11	2,503.53	16,816.56	50,917.17
2,082	392	576	277	1,011	1,029	2,157
275	32	115	78	118	193	257
48	2	11	5	17	30	72
2,405	426	702	360	1,146	1,252	2,486

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Priceville	Princeton	Queenston	Renfrew
Population.....	151	360	401	7,904
EARNINGS	\$	\$	\$	\$
Domestic service.....	1,872.03	5,474.34	7,633.77	82,104.72
Commercial light service.....	1,005.17	1,597.13	4,849.98	34,315.48
Commercial power service.....		1,635.93		90,846.67
Municipal power.....				5,670.02
Street lighting.....	267.00	612.00	1,088.00	7,176.34
Merchandise.....				
Miscellaneous.....	7.34	216.72	199.50	4,201.95
Total earnings.....	3,151.54	9,536.12	13,771.25	224,315.18
EXPENSES				
Power purchased.....	1,029.55	6,870.00	8,743.56	79,389.15
Substation operation.....				*34,265.21
Substation maintenance.....				*7,187.34
Distribution system, operation and maintenance.....	117.35	197.53	1,181.60	8,670.13
Line transformer maintenance.....		14.00	119.95	1,942.96
Meter maintenance.....	11.70	1.95	20.54	3,611.15
Consumers' premises expenses.....			406.71	356.86
Street lighting, operation and maintenance.....	46.33	77.26	119.24	1,620.38
Promotion of business.....				
Billing and collecting.....	180.00	549.18	401.76	7,056.82
General office, salaries and expenses.....	123.85	112.90	456.09	19,254.21
Undistributed expenses.....				2,949.76
Truck operation and maintenance.....				2,777.35
Interest.....	202.49		6.97	9,787.55
Sinking fund and principal payments on debentures.....	225.00			9,250.99
Depreciation.....	386.00	524.00	649.65	19,754.00
Other reserves.....				
Total operating costs and fixed charges.....	2,322.27	8,346.82	12,106.07	207,873.86
Net surplus or deficit.....	829.27	1,189.30	1,665.18	16,441.32
NUMBER OF CUSTOMERS				
Domestic service.....	55	121	122	2,032
Commercial light service.....	12	30	18	277
Power service.....		4		67
Total.....	67	155	140	2,376

*Generation expense

Utilities for Year Ended December 31, 1953

Richmond 634	Richmond Hill 3,310	Ridgetown 2,342	Ripley 465	Riverside 10,840	Rockwood 707	Rodney 974
\$	\$	\$	\$	\$	\$	\$
8,684.34	58,138.80	21,483.97	7,359.85	176,818.11	11,810.99	8,432.53
3,598.76	19,921.22	21,179.13	4,188.38	25,513.84	4,319.84	5,252.17
2,118.79	5,766.00	11,477.77	1,889.36	19,610.86	73.84	5,303.72
.....	2,485.96	2,184.95	623.33	6,072.06	.....	.....
607.50	2,439.16	5,226.00	1,003.21	8,925.38	1,187.35	1,638.00
.....
11.49	72.18	506.72	44.81	1,780.15	197.80	312.00
15,020.88	88,823.32	62,058.54	15,108.94	238,720.40	17,589.82	20,938.42
.....
7,225.67	68,021.34	34,773.59	7,186.41	148,875.50	12,176.16	14,251.45
.....	.....	.....	.....	31.86	.....	.....
.....
616.27	1,462.36	3,815.95	436.56	7,136.54	209.98	686.17
120.16	486.47	8.04	.....	755.34	92.11	15.75
214.50	38.70	1,597.91	226.49	735.29	192.48	160.01
.....	159.67	19.04	.....	10,005.62	.....	.....
109.92	467.20	2,690.51	180.88	2,748.74	169.65	317.74
.....	.....	1.00	.....	.....	.....	.....
337.66	4,278.15	3,501.10	627.20	5,315.72	780.32	1,300.08
153.15	758.94	3,764.88	165.40	7,742.00	770.09	299.94
.....	.....	.....	.....	.....	6.66	57.88
.....	.....	195.65	.....	2,463.97	.....	.....
56.82	2,521.67	56.10	5.69	1,860.21	.....	93.17
.....	667.11	.....	.....	3,826.85	.....	.....
670.00	3,551.00	2,794.00	720.00	9,996.00	590.00	1,259.00
.....	110.00	.....	.....	384.62	.....	.....
9,504.15	82,522.61	53,217.77	9,548.63	201,878.26	14,987.45	18,441.19
5,516.73	6,300.71	8,840.77	5,560.31	36,842.14	2,602.37	2,497.23
.....
185	1,075	757	153	3,303	228	327
21	134	175	53	140	43	75
2	29	28	3	19	2	9
208	1,238	960	209	3,462	273	411

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Rosseau	Russell	St. Catharines	St. Clair Beach
Population.....	232	503	39,399	612
EARNINGS	\$	\$	\$	\$
Domestic service.....	2,888.47	6,820.85	513,766.97	10,558.30
Commercial light service.....	2,231.63	3,314.84	292,781.12	3,390.41
Commercial power service.....		419.90	807,220.75	989.89
Municipal power.....				
Street lighting.....	940.02	912.00	58,205.11	605.21
Merchandise.....				
Miscellaneous.....	46.46	40.66	4,542.71	385.17
Total earnings.....	6,106.58	11,508.25	1,676,516.66	15,928.98
EXPENSES				
Power purchased.....	2,020.63	4,426.94	1,272,730.55	9,753.92
Substation operation.....			22,859.29	
Substation maintenance.....				
Distribution system, operation and maintenance.....	607.80	204.80	65,296.84	850.73
Line transformer maintenance.....	38.37		6,626.61	128.10
Meter maintenance.....	37.15	109.50	31,556.17	123.42
Consumers' premises expenses.....			9,109.76	200.41
Street lighting, operation and main- tenance.....	145.91	174.44	9,476.12	84.10
Promotion of business.....			654.73	
Billing and collecting.....	294.00	549.47	48,385.49	671.76
General office, salaries and expenses.	188.16	412.15	20,104.53	789.59
Undistributed expenses.....				
Truck operation and maintenance...				
Interest.....	32.08		1,278.18	34.96
Sinking fund and principal payments on debentures.....	1,069.25			
Depreciation.....	512.00	603.00	55,055.00	1,045.00
Other reserves.....				
Total operating costs and fixed charges.....	4,945.35	6,480.30	1,543,133.27	13,681.99
Net surplus or deficit.....	1,161.23	5,027.95	133,383.39	2,246.99
NUMBER OF CUSTOMERS				
Domestic service.....	90	159	11,131	201
Commercial light service.....	19	33	1,457	17
Power service.....		2	286	3
Total.....	109	194	12,874	221

Utilities for Year Ended December 31, 1953

St. George 647	St. Jacobs 725	St. Mary's 4,167	St. Thomas 18,966	Sarnia 37,670	Scarborough Twp. 78,803
\$	\$	\$	\$	\$	\$
6,346.13	9,784.98	73,581.61	272,022.73	525,544.59	1,040,051.10
4,292.42	4,266.31	26,096.26	129,240.39	225,007.92	248,040.05
4,510.22	5,496.34	41,196.45	177,547.54	598,836.37	661,337.74
.....	.....	1,906.23	6,985.36	12,842.11	60,902.12
990.00	506.00	9,091.00	22,370.55	32,054.79	57,743.28
.....	.....	.....	.....	22,250.53	.....
245.14	385.47	1,446.92	5,619.45	10,659.66	7,371.18
16,383.91	20,439.10	153,318.47	613,786.02	1,427,195.97	2,075,445.47
11,853.23	16,582.49	82,639.36	372,149.28	877,209.02	1,284,522.07
.....	.....	3,536.09	28,076.40	36,040.01	.....
.....	.....	330.49	2,370.79	2,854.49	9,580.63
170.58	647.51	4,234.25	28,260.12	42,586.95	68,535.05
9.43	233.05	704.72	2,150.66	6,122.94	11,924.80
167.15	2.00	1,868.41	8,348.34	20,686.10	2,202.47
.....	.....	5,277.99	21,318.53	49,806.55	18,313.96
122.86	116.34	2,178.31	2,806.25	12,032.77	13,126.13
.....	.....	.....	909.62	2,430.07	.....
940.34	981.89	3,807.36	22,515.45	42,702.06	51,594.06
168.65	139.27	5,459.88	23,528.49	50,948.23	50,695.63
24.26	.....	1,965.14	.....	14,197.82	.....
.....	.....	.....	.....	15,933.19	.....
.....	13.58	2,340.24	470.30	22,218.54	95,841.51
.....	.....	3,626.66	.....	14,001.59	67,500.00
698.00	866.00	9,079.00	30,602.00	58,305.00	77,038.00
.....	.....	.....	.....	1,000.00	1,173.47
14,154.50	19,582.13	127,047.90	543,506.23	1,269,075.33	1,752,047.78
2,229.41	856.97	26,270.57	70,279.79	158,120.64	323,397.69
200	176	1,255	5,671	10,554	20,872
47	38	198	715	1,111	1,330
5	8	45	107	121	230
252	222	1,498	6,493	11,786	22,432

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Seaforth	Shelburne	Simcoe	Smith's Falls
Population.....	2,121	1,225	7,348	8,378
EARNINGS	\$	\$	\$	\$
Domestic service.....	30,440.84	17,337.57	69,254.42	110,482.88
Commercial light service.....	20,628.19	10,936.38	68,946.19	55,685.46
Commercial power service.....	13,888.79	5,007.31	70,561.35	45,951.42
Municipal power.....	853.44	555.69	3,402.60	
Street lighting.....	4,926.00	1,881.00	19,111.16	9,732.62
Merchandise.....			177.73	
Miscellaneous.....	583.83	69.60	698.72	2,045.48
Total earnings.....	71,321.09	35,787.55	232,152.17	223,897.86
EXPENSES				
Power purchased.....	42,274.58	24,169.34	149,080.67	134,684.28
Substation operation.....	701.82		980.23	404.09
Substation maintenance.....				3,854.90
Distribution system, operation and maintenance.....	2,223.38	1,580.16	12,215.39	14,251.81
Line transformer maintenance.....	509.42		1,679.04	545.34
Meter maintenance.....	713.40	631.12	4,353.32	1,247.33
Consumers' premises expenses.....	30.27		3,674.09	674.57
Street lighting, operation and maintenance.....	1,008.05	514.60	2,067.93	1,213.18
Promotion of business.....	56.49		119.19	
Billing and collecting.....	2,047.15	1,433.88	5,398.26	8,961.35
General office, salaries and expenses.....	1,850.84	715.22	5,357.73	6,504.90
Undistributed expenses.....	906.66		1,662.44	
Truck operation and maintenance.....	766.84		2,249.47	1,991.43
Interest.....	1,682.21	12.78	44.53	290.47
Sinking fund and principal payments on debentures.....	2,131.04			760.00
Depreciation.....	3,370.00	2,372.00	11,482.00	13,045.00
Other reserves.....				
Total operating costs and fixed charges.....	60,272.15	31,429.10	200,364.29	188,428.65
Net surplus or deficit.....	11,048.94	4,358.45	31,787.88	35,469.21
NUMBER OF CUSTOMERS				
Domestic service.....	643	409	2,186	2,622
Commercial light service.....	120	100	496	375
Power service.....	21	13	76	50
Total.....	784	522	2,758	3,047

Utilities for Year Ended December 31, 1953

Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
725	1,754	505	22,868	1,272	1,175
\$	\$	\$	\$	\$	\$
7,980.59	25,145.70	5,086.67	324,688.10	17,699.89	19,000.28
5,715.86	11,850.42	1,826.76	81,712.05	9,009.75	9,606.78
11,139.92	13,789.78	925.83	54,975.78	4,493.89	3,504.94
378.13	1,085.28	.....	3,417.21	97.32	374.96
1,736.15	4,309.85	831.25	17,212.50	1,738.00	3,057.87
.....	33.26	.....	.....	2.57	783.86
382.74	15.36	70.73	536.31	122.79	120.24
27,333.39	56,229.65	8,741.24	482,541.95	33,164.21	36,448.93
18,341.77	34,768.10	5,519.85	258,158.66	22,426.10	18,620.27
.....	.....	.....	2,687.15	.....	627.09
2,877.47	5,028.09	163.32	45,076.22	1,092.53	3,697.96
303.58	207.09	3.91	4,495.45	75.14	.....
1,006.45	856.83	33.37	8,404.16	150.38	563.66
304.67	249.19	8.43	.....	.....	12.35
421.86	724.02	142.52	6,680.43	434.43	460.55
2,450.53	2,569.25	668.04	21,278.69	1,928.84	1,469.10
1,695.21	973.99	283.12	13,127.09	948.82	2,597.52
.....	474.11	5.00	.....	.....	205.61
.....	584.99	.....	.....	260.27	378.58
1.00	4.64	2.43	28,333.24	9.68	145.30
.....	.....	.....	17,314.32	.....	.....
991.00	2,526.00	791.00	28,480.00	1,831.00	2,492.00
.....	.....	13.86	.....	.....	.....
28,393.54	48,966.30	7,634.85	434,035.41	29,157.19	31,269.99
1,060.15	7,263.35	1,106.39	48,506.54	4,007.02	5,178.94
250	825	137	5,598	420	377
77	98	33	391	102	91
10	14	4	49	19	15
337	937	174	6,038	541	483

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy
Population.....	2,563	1,893	19,390	3,785
EARNINGS	\$	\$	\$	\$
Domestic service.....	44,883.84	26,719.52	309,777.08	57,004.24
Commercial light service.....	19,438.00	13,159.60	120,977.83	27,724.17
Commercial power service.....	6,903.05	9,220.51	125,840.55	25,538.27
Municipal power.....	1,719.42	.....	13,960.95	2,937.13
Street lighting.....	3,415.72	1,849.00	24,119.88	6,664.73
Merchandise.....	.....	.....	2,624.73	.....
Miscellaneous.....	295.14	318.40	12,677.87	353.68
Total earnings.....	76,655.17	51,267.03	609,978.89	120,222.22
EXPENSES				
Power purchased.....	44,089.53	37,254.39	403,266.15	75,933.31
Substation operation.....	.....	.....	15,068.58	2,241.50
Substation maintenance.....	.....	.....	5,386.11	.....
Distribution system, operation and maintenance.....	2,112.77	2,767.80	15,892.56	5,004.46
Line transformer maintenance.....	12.30	189.53	3,092.41	1,014.75
Meter maintenance.....	1,064.71	148.57	8,464.30	1,573.19
Consumers' premises expenses.....	150.62	18.55	8,943.22	2,128.92
Street lighting, operation and maintenance.....	254.42	175.63	5,605.46	1,173.59
Promotion of business.....	.....	.....	1,564.60	43.01
Billing and collecting.....	2,033.16	2,273.04	21,876.61	1,812.49
General office, salaries and expenses.....	41.00	887.94	21,030.20	6,769.76
Undistributed expenses.....	.....	.....	8,327.08	2,581.71
Truck operation and maintenance.....	.....	.....	.....	2,448.00
Interest.....	3,305.78	.....	2,819.36	137.41
Sinking fund and principal payments on debentures.....	1,623.11	.....	900.00	.....
Depreciation.....	2,931.00	1,710.00	25,191.00	7,331.00
Other reserves.....	.....	.....	.....	.....
Total operating costs and fixed charges.....	57,618.40	45,425.45	547,427.64	110,193.10
Net surplus or deficit.....	19,036.77	5,841.58	62,551.25	10,029.12
NUMBER OF CUSTOMERS				
Domestic service.....	812	606	5,432	1,237
Commercial light service.....	121	112	697	243
Power service.....	15	10	151	45
Total.....	948	728	6,280	1,525

Utilities for Year Ended December 31, 1953

Streetsville 1,409	Sunderland 563	Sundridge 676	Sutton 1,041	Swansea 8,344	Tara 476
\$	\$	\$	\$	\$	\$
25,090.89	7,799.27	8,526.17	19,623.09	155,469.75	6,977.30
8,175.45	4,123.73	7,960.86	15,148.54	40,631.79	3,821.43
26,264.13	3,162.87	608.65	3,986.48	44,200.73	1,641.40
516.61				3,287.33	176.19
2,761.00	1,212.44	1,080.00	2,384.41	9,792.69	1,232.00
		41.70			
51.13	5.10	2.18	224.30	1,122.06	6.08
62,859.21	16,303.41	18,219.56	41,366.82	254,504.35	13,854.40
42,371.54	9,153.47	6,156.49	28,176.12	146,631.24	9,274.83
*2,602.19				1,137.07	
1,563.95	894.97	279.76	1,387.11	6,401.25	113.42
691.03	211.93	39.48	116.05	1,551.93	
190.18	95.35	406.14	9.56	543.57	68.85
			56.31	9,345.42	
397.18	232.85	142.56	665.81	1,515.06	131.13
2,131.02	814.66	708.75	3,175.58	10,293.44	443.03
1,666.65	522.29	268.70	1,009.22	5,800.44	76.22
					16.30
67.60		2,153.00		6,959.41	
		1,058.49		11,675.38	
2,007.00	659.00	784.00	2,346.00	10,700.00	826.00
53,688.34	12,584.52	11,997.37	36,941.76	212,554.21	10,949.78
9,170.87	3,718.89	6,222.19	4,425.06	41,950.14	2,904.62
403	191	199	638	2,546	185
68	45	56	134	153	52
18	3	2	9	31	6
489	239	257	781	2,730	243

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tavistock	Tecumseh	Teeswater	Thamesford
Population.....	1,124	3,733	858	568
EARNINGS	\$	\$	\$	\$
Domestic service.....	19,540.94	37,971.69	9,869.58	12,623.76
Commercial light service.....	9,288.27	13,644.41	5,076.45	5,679.78
Commercial power service.....	11,770.11	10,306.28	6,376.28	3,609.88
Municipal power.....	567.87		403.92	
Street lighting.....	1,691.39	1,995.88	1,497.75	776.00
Merchandise.....	24.53			
Miscellaneous.....	396.30	1,185.60	435.57	
Total earnings.....	43,279.41	65,103.86	23,659.55	22,689.42
EXPENSES				
Power purchased.....	32,967.87	42,296.32	14,371.77	16,764.21
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	919.83	4,348.85	971.84	205.20
Line transformer maintenance.....	551.67	979.65	9.50	151.69
Meter maintenance.....	107.64	396.94	155.25	27.10
Consumers' premises expenses.....	1,558.60	1,189.29		166.09
Street lighting, operation and maintenance.....	323.22	889.05	359.80	133.53
Promotion of business.....				
Billing and collecting.....	1,545.71	1,973.04	967.64	912.10
General office, salaries and expenses.....	978.47	2,798.40	564.44	237.85
Undistributed expenses.....	127.25	369.08		5.00
Truck operation and maintenance.....		687.44		
Interest.....	802.00	58.98	4.15	161.47
Sinking fund and principal payments on debentures.....	671.65			100.00
Depreciation.....	1,912.00	3,899.00	1,498.00	865.00
Other reserves.....				27.50
Total operating costs and fixed charges.....	42,465.91	59,886.04	18,902.39	19,756.74
Net surplus or deficit.....	813.50	5,217.82	4,757.16	2,932.68
NUMBER OF CUSTOMERS				
Domestic service.....	349	1,025	268	193
Commercial light service.....	109	95	64	51
Power service.....	10	9	11	5
Total.....	468	1,129	343	249

Utilities for Year Ended December 31, 1953

Thamesville 1,011	Thedford 654	Thornbury 1,055	Thorndale 315	Thornton 196	Thorold 7,128
\$	\$	\$	\$	\$	\$
11,716.17	8,003.87	15,471.53	5,998.46	2,754.70	76,419.49
10,530.02	5,770.80	8,225.64	1,817.80	903.29	33,326.21
11,929.32	3,001.77	5,809.38	2,635.75	105.14	205,247.54
264.82		713.97			9,063.78
1,824.00	1,290.00	2,141.00	735.00	390.00	8,700.24
		7.09			5.93
103.25	320.10	60.87	53.12	2.24	20.49
36,367.58	18,386.54	32,429.48	11,240.13	4,155.37	332,783.68
24,468.63	11,953.37	12,269.78	7,605.70	2,334.29	250,751.20
		*5,353.03			9,995.20
		*343.60			
1,737.94	257.23	1,492.61	888.61	325.19	10,308.92
264.42	123.32	612.76	20.14		850.65
88.00	6.25	374.88	2.96	118.92	5,245.68
17.50	21.00				178.11
254.99	306.38	621.08	222.16	60.71	2,126.66
945.61	1,046.74	1,284.88	595.72	120.30	4,868.16
487.61	452.29	833.30	83.88	45.03	5,851.24
75.43	37.77	282.35			
606.07					
8.97		1,769.75			2,699.91
		1,198.73			1,912.57
1,647.00	870.00	1,502.00	574.00	370.00	8,491.00
30,602.17	15,074.35	27,938.75	9,993.17	3,374.44	303,279.30
5,765.41	3,312.19	4,490.73	1,246.96	780.93	29,504.38
310	212	369	98	78	1,894
100	66	87	25	13	232
14	5	16	3	1	38
424	283	472	126	92	2,164

*Generation expense

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Tilbury	Tillsonburg	Toronto	Toronto Twp.
Population.....	3,081	5,534	681,421†	35,199
EARNINGS	\$	\$	\$	\$
Domestic service.....	24,639.17	67,801.73	8,884,740.23	593,592.05
Commercial light service.....	20,427.60	60,126.32	6,700,580.07	115,090.77
Commercial power service.....	35,462.31	48,468.67	8,791,561.74	187,980.19
Municipal power.....	278.63	2,771.35	2,479,933.50	13,339.00
Street lighting.....	5,830.67	12,655.88	741,563.66	29,944.91
Merchandise.....				
Miscellaneous.....	1,132.66	3,032.62	448,468.68	4,297.80
Total earnings.....	87,771.04	194,856.57	28,046,847.88	944,244.72
EXPENSES				
Power purchased.....	70,544.09	97,528.33	17,047,224.81	509,020.00
Substation operation.....		2,797.17	517,427.33	
Substation maintenance.....			668,307.97	1,883.92
Distribution system, operation and maintenance.....	3,384.50	12,502.59	1,079,620.91	46,946.32
Line transformer maintenance.....	110.58	1,361.59	163,907.34	12,142.20
Meter maintenance.....	739.25	1,971.45	235,855.07	6,929.91
Consumers' premises expenses.....		549.67	636,608.14	14,074.21
Street lighting, operation and main- tenance.....	1,479.34	2,463.84	239,784.81	7,375.32
Promotion of business.....	4.75	365.12	286,180.31	
Billing and collecting.....	2,018.89	5,671.46	822,036.50	40,360.44
General office, salaries and expenses.....	1,877.41	6,845.74	894,436.28	32,364.05
Undistributed expenses.....	475.72	2,276.68	890,081.03	
Truck operation and maintenance.....	1,255.53	1,731.78		
Interest.....	27.26	5,225.64	110,093.34	78,518.14
Sinking fund and principal payments on debentures.....		7,087.66		23,019.55
Depreciation.....	2,361.00	9,260.00	2,132,145.87	44,676.00
Other reserves.....		100.00		2,263.00
Total operating costs and fixed charges.....	84,278.32	157,738.72	25,723,709.71	819,573.06
Net surplus or deficit.....	3,492.72	37,117.85	2,323,138.17	124,671.66
NUMBER OF CUSTOMERS				
Domestic service.....	865	1,709	158,374	8,658
Commercial light service.....	170	350	27,909	585
Power service.....	25	51	6,503	117
Total.....	1,060	2,110	192,786	9,360

†Includes Leaside

Utilities for Year Ended December 31, 1953

Tottenham 622	Trafalgar Twp. 8,746	Trenton 10,200	Tweed 1,561	Uxbridge 1,971	Vankleek Hill 1,480
\$	\$	\$	\$	\$	\$
8,166.25	142,245.75	114,963.27	18,854.81	26,638.34	8,692.90
3,686.82	24,565.32	45,529.42	11,869.33	11,207.48	4,228.69
1,429.32	23,768.25	137,189.75	11,997.75	10,918.47	984.47
471.25		9,748.65	1,003.57	723.94	
1,365.00	350.00	15,272.51	2,216.08	2,413.06	975.89
				102.30	
4.81	282.48	3,257.68	1,020.08	311.14	30.00
15,123.45	191,211.80	325,961.28	46,961.62	52,314.73	14,911.95
8,844.49	101,388.29	230,255.20	28,092.98	33,101.01	5,708.46
		513.02			
1,554.01	11,715.46	8,350.04	1,295.17	2,886.56	435.59
	3,352.21	747.94		197.78	11.32
233.58	2,214.69	5,066.61	79.96	562.10	26.59
	605.69	1,408.94		237.51	
210.96	71.47	2,173.10	1,243.03	436.40	151.26
714.77	8,424.82	9,091.77	1,942.85	2,320.08	681.62
205.53	12,010.97	8,678.78	676.11	2,421.15	197.25
36.06		2,181.31			
125.04		2,524.39		283.40	
233.76	8,813.84				1,208.00
605.15	6,659.08				817.00
701.00	6,854.00	15,804.00	2,130.00	1,958.00	968.00
	400.00				
13,464.35	162,510.52	286,795.10	35,460.10	44,403.99	10,205.09
1,659.10	28,701.28	39,166.18	11,501.52	7,910.74	4,706.86
200	1,645	3,110	450	602	397
55	103	327	101	130	66
7	21	70	17	20	5
262	1,769	3,507	568	752	468

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Victoria Harbour 987	Walkerton	Wallaceburg	Wardsville
Population.....		3,415	7,437	306
EARNINGS	\$	\$	\$	\$
Domestic service.....	9,109.34	42,363.30	72,854.82	3,633.16
Commercial light service.....	2,399.90	30,651.85	54,155.70	2,624.20
Commercial power service.....	24.00	16,642.68	249,804.73	61.57
Municipal power.....	299.73	607.90	6,271.16	
Street lighting.....	794.00	5,589.72	8,907.81	720.00
Merchandise.....		257.41	10,937.12	
Miscellaneous.....	53.61	2,217.74	2,386.86	99.37
Total earnings.....	12,680.58	98,330.60	405,318.20	7,138.30
EXPENSES				
Power purchased.....	9,127.32	60,568.59	296,263.62	4,945.72
Substation operation.....			1,557.52	
Substation maintenance.....				
Distribution system, operation and maintenance.....	910.84	5,762.85	16,713.02	236.52
Line transformer maintenance.....	113.04	839.46	585.41	83.61
Meter maintenance.....	229.49	1,093.69	5,004.40	8.15
Consumers' premises expenses.....		124.51		
Street lighting, operation and main- tenance.....	192.44	688.15	2,566.39	8.59
Promotion of business.....		100.57	304.40	
Billing and collecting.....	890.14	3,812.26	6,126.92	269.01
General office, salaries and expenses.	492.35	5,180.31	12,794.72	162.70
Undistributed expenses.....		1,248.29		9.60
Truck operation and maintenance.....		797.27	4,540.96	
Interest.....		1.03	30.85	
Sinking fund and principal payments on debentures.....				
Depreciation.....	889.00	3,669.00	15,934.00	482.00
Other reserves.....				
Total operating costs and fixed charges.....	12,844.62	83,885.98	362,422.21	6,205.90
Net surplus or deficit.....	164.04	14,444.62	42,895.99	932.40
NUMBER OF CUSTOMERS				
Domestic service.....	351	998	2,248	97
Commercial light service.....	35	188	388	25
Power service.....	2	20	75	1
Total.....	388	1,206	2,711	123

Utilities for Year Ended December 31, 1953

Warkworth 504	Waterdown 1,556	Waterford 1,755	Waterloo 13,062	Watford 1,200	Waubauskene (V.A.)
\$	\$	\$	\$	\$	\$
6,331.50	25,885.00	20,051.73	202,086.95	17,893.91	8,581.74
2,861.86	6,467.90	8,617.84	77,919.60	10,451.67	2,737.34
917.14	2,691.52	7,012.99	175,882.35	10,395.04	56.39
.....	316.58	514.00	7,371.83	533.27	240.27
804.00	1,713.50	3,122.56	23,892.48	1,911.56	916.00
.....	.....	0.19	88.72	.....	.....
121.77	337.47	346.57	3,559.49	487.86	73.05
11,036.27	37,411.97	39,665.88	490,801.42	41,673.31	12,604.79
.....
5,996.86	23,332.20	28,324.27	359,639.49	28,568.50	8,648.29
.....	.....	.....	3,780.20	.....	.....
.....	.....	.....	6,282.36	.....	.....
218.97	3,710.78	2,387.63	12,618.52	2,616.96	970.53
28.60	232.68	161.35	1,011.51	727.78	84.63
297.48	197.64	663.46	2,739.95	372.47	177.02
.....	5.09	24.30	.....	12.73	.....
103.25	208.19	536.36	2,790.10	298.88	157.36
.....
398.65	1,346.47	1,172.92	9,436.10	1,124.22	648.20
190.61	503.28	854.46	4,918.24	2,322.16	208.27
3.40	122.44	134.54	770.82	463.82	.....
.....	410.97	732.75	.....	211.13	.....
87.91	327.24	1.00	12,218.89	.....	11.97
711.23	.....	.....	15,000.00	.....	.....
366.00	1,936.00	1,942.00	23,842.00	1,888.00	678.00
.....	.....	.....	.....	.....	50.00
.....
8,402.96	32,332.98	36,935.04	455,048.18	38,606.65	11,634.27
2,633.31	5,078.99	2,730.84	35,753.24	3,066.66	970.52
.....
173	422	565	3,631	383	328
50	58	89	364	91	37
2	13	10	96	11	2
225	493	664	4,091	485	367

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Welland	Wellesley	Wellington	West Lorne
Population.....	16,435	644	1,011	1,050
EARNINGS	\$	\$	\$	\$
Domestic service.....	139,968.92	8,354.19	11,466.89	10,433.27
Commercial light service.....	114,265.82	3,904.68	5,503.43	9,429.81
Commercial power service.....	339,149.09	2,223.87	5,394.85	19,695.63
Municipal power.....	7,777.37			2,461.61
Street lighting.....	23,895.75	977.00	1,785.75	1,776.51
Merchandise.....				
Miscellaneous.....	10,348.45	197.00	737.18	3,115.00
Total earnings.....	635,405.40	15,656.74	24,888.10	46,911.83
EXPENSES				
Power purchased.....	447,841.94	11,455.94	14,335.56	39,552.89
Substation operation.....	22,652.01			
Substation maintenance.....	1,057.00			
Distribution system, operation and maintenance.....	26,653.81	333.57	1,265.16	867.58
Line transformer maintenance.....	3,097.59	9.56	13.85	29.58
Meter maintenance.....	20,208.08	43.10	313.10	240.88
Consumers' premises expenses.....	1,993.74	675.39	85.00	
Street lighting, operation and maintenance.....	4,590.94	256.43	143.75	307.81
Promotion of business.....				15.35
Billing and collecting.....	16,849.44	508.09	931.96	1,345.85
General office, salaries and expenses.....	16,441.44	371.10	1,096.71	1,278.45
Undistributed expenses.....		1.77	92.97	
Truck operation and maintenance.....			663.30	
Interest.....	69.85		19.43	23.70
Sinking fund and principal payments on debentures.....				
Depreciation.....	18,170.00	762.00	1,721.00	2,120.00
Other reserves.....				
Total operating costs and fixed charges.....	579,625.84	14,416.95	20,681.79	45,782.09
Net surplus or deficit.....	55,779.56	1,239.79	4,206.31	1,129.74
NUMBER OF CUSTOMERS				
Domestic service.....	4,005	190	405	310
Commercial light service.....	614	56	75	81
Power service.....	118	7	13	12
Total.....	4,737	253	493	403

Utilities for Year Ended December 31, 1953

Weston 8,374	Westport 684	Wheatley 1,055	Whitby 6,231	Warton 1,883	Williams- burg 288	Winchester 1,232
\$	\$	\$	\$	\$	\$	\$
145,132.16	7,618.36	10,585.97	91,025.64	19,332.95	2,864.31	14,187.51
67,389.95	6,557.50	11,751.08	32,191.57	16,790.75	2,754.51	9,546.53
134,833.78		8,313.95	35,412.67	12,691.90	866.58	7,694.43
6,046.96		1,313.34	3,871.55	2,265.59		
15,172.17	1,140.08	2,368.00	7,595.50	3,459.53	665.00	1,456.00
			494.45	30.00		
383.26	243.98	22.89	1,221.50	602.68	544.19	223.98
368,958.28	15,559.92	34,355.23	171,812.88	55,173.40	7,694.59	33,108.45
249,492.32	6,990.98	23,816.06	97,408.97	29,885.48	5,744.06	23,349.69
3,412.55			1,349.70			
4,488.09	1,175.30	1,596.43	5,229.47	5,365.15	74.58	812.57
1,282.25	255.72	137.80	1,484.90	147.55	2.17	
4,019.02	438.04	197.45	3,008.54	363.82	53.65	250.24
1,695.90		128.33	2,096.10			
3,756.43	63.26	247.87	2,287.13	390.34	72.90	223.14
9,794.10	1,218.01	1,098.47	8,515.34	1,474.77	374.30	965.89
16,984.44	1,026.83	1,326.46	14,915.18	1,383.58	422.00	930.17
	64.64	299.42	1,320.00	428.92		
6,089.59		323.32	1,004.64	999.34		
6,100.00		486.15				
15,322.00	614.00	1,927.00	10,062.00	2,035.00	448.00	1,596.00
531.00						
322,967.69	11,846.78	31,584.76	148,681.97	42,473.95	7,191.66	28,127.70
45,990.59	3,713.14	2,770.47	23,130.91	12,699.45	502.93	4,980.75
2,363	204	323	1,626	570	97	384
308	61	91	223	129	39	89
60		15	44	23	2	6
2,731	265	429	1,893	722	138	479

Operating Reports of Municipal Electrical

SOUTHERN ONTARIO SYSTEM—Concluded

Municipality.....	Windermere	Windsor	Wingham	Woodbridge
Population.....	129	125,966	2,713	1,909
EARNINGS	\$	\$	\$	\$
Domestic service.....	4,174.39	1,568,121.74	39,797.35	27,059.55
Commercial light service.....	3,220.31	1,019,957.46	23,073.29	12,171.12
Commercial power service.....	1,177.66	1,870,455.82	24,471.66	36,277.02
Municipal power.....		60,143.77	1,953.78	4,394.88
Street lighting.....	357.00	193,453.60	4,036.56	1,823.48
Merchandise.....	10.00	30,343.70	185.62	
Miscellaneous.....	51.64	39,724.69	2,883.30	221.99
Total earnings.....	8,991.00	4,782,200.78	96,401.56	81,948.04
EXPENSES				
Power purchased.....	3,546.95	2,837,240.95	47,918.03	68,593.35
Substation operation.....		109,420.76	*2,469.40	
Substation maintenance.....		34,546.95		
Distribution system, operation and maintenance.....	428.68	111,169.67	4,151.36	848.38
Line transformer maintenance.....	51.66	38,119.76	280.15	107.06
Meter maintenance.....	49.00	16,701.91	724.31	28.50
Consumers' premises expenses.....	37.05	79,637.64	4,342.62	
Street lighting, operation and maintenance.....	75.38	73,695.66	770.77	469.66
Promotion of business.....		9,921.86		
Billing and collecting.....	293.96	131,440.46	3,610.05	3,371.33
General office, salaries and expenses.....	196.76	94,872.02	5,485.91	1,325.47
Undistributed expenses.....		54,424.64	644.54	
Truck operation and maintenance.....		28,210.63	442.69	
Interest.....		10,430.00		153.33
Sinking fund and principal payments on debentures.....				
Depreciation.....	711.00	232,423.00	5,729.00	2,210.00
Other reserves.....				
Total operating costs and fixed charges.....	5,390.44	3,862,255.91	76,568.83	77,107.08
Net surplus or deficit.....	3,600.56	919,944.87	19,832.73	4,840.96
NUMBER OF CUSTOMERS				
Domestic service.....	93	30,954	775	509
Commercial light service.....	14	4,076	167	84
Power service.....	2	653	29	16
Total.....	109	35,683	971	609

*Generation expense

Utilities for Year Ended December 31, 1953

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
16,375	420	784	100,463	607	
\$	\$	\$	\$	\$	\$
253,043.06	4,778.71	6,683.02	1,367,109.70	9,474.88	41,058,912.89
138,101.59	2,160.96	4,112.24	375,536.58	5,916.97	21,610,450.82
245,243.94	776.05	5,788.60	471,730.30	730.54	33,135,721.56
10,461.54			10,283.16		3,724,686.33
16,021.67	816.00	1,052.00	78,640.95	978.00	3,487,442.55
					106,316.08
3,138.63	184.28	90.49	6,201.28	171.15	1,120,352.74
666,010.43	8,716.00	17,726.35	2,309,501.97	17,271.54	104,243,882.97
431,007.80	5,665.71	10,591.70	1,453,586.27	11,898.69	66,590,437.21
6,372.44			8,334.22		1,840,706.75
*10,814.49			7,036.58		949,162.97
19,884.58	896.81	582.64	40,604.69	579.69	3,472,115.16
912.97	32.50	123.23	20,979.43	857.61	601,041.43
10,931.22	219.39	23.85	20,224.57	85.42	1,027,393.98
15,555.48		21.00	34,963.79	38.84	1,486,273.20
2,625.36	163.94	184.45	13,590.31	228.57	849,241.23
189.67					369,486.90
14,035.59	526.49	719.74	116,125.68	891.13	3,156,174.03
14,307.78	413.31	230.10	91,100.23	540.75	3,049,753.76
7,356.57		14.64		17.10	1,289,631.33
3,967.86	37.12				196,115.42
9,083.09	4.85	2.25		119.04	1,165,417.79
20,737.48					1,052,295.69
31,158.00	363.00	993.00	70,017.00	682.00	5,599,678.65
		60.00	5,562.89		142,582.99
598,940.38	8,323.12	13,546.60	1,882,125.66	15,938.84	92,837,508.49
67,070.05	392.88	4,179.75	427,376.31	1,332.70	11,406,374.48
4,844	137	232	29,006	212	806,900
645	35	47	2,088	54	108,671
130	2	5	347	2	19,615
5,619	174	284	31,441	268	935,186

*Includes \$8,152.40 generation expense

Operating Reports of Municipal Electrical

NORTHERN ONTARIO PROPERTIES

Municipality.....	Cache Bay	Capreol	Cochrane	Fort William
Population.....	790	2,171	3,525	36,795
EARNINGS	\$	\$	\$	\$
Domestic service.....	6,975.90	34,791.07	50,501.79	514,965.95
Commercial light service.....	2,230.88	9,213.73	33,468.19	235,894.88
Commercial power service.....	22,854.40	10,292.41	11,426.73	460,384.87
Municipal power.....		674.34	1,853.70	18,966.68
Street lighting.....	837.00	3,404.64	2,714.47	37,974.75
Merchandise.....		123.00		
Miscellaneous.....			36.50	21,343.18
Total earnings.....	32,898.18	58,499.19	100,001.38	1,289,530.31
EXPENSES				
Power purchased.....	22,410.35	39,069.22	47,918.68	875,555.57
Substation operation.....		390.78	6,302.66	40,769.86
Substation maintenance.....				5,163.76
Distribution system, operation and maintenance.....	47.54	3,009.88	6,654.38	30,724.97
Line transformer maintenance.....	46.00	227.13	158.15	5,261.32
Meter maintenance.....	81.75	1,111.11	2,207.44	20,855.22
Consumers' premises expenses.....			1,388.16	18,680.99
Street lighting, operation and maintenance.....	92.51	673.13	2,035.39	9,471.04
Promotion of business.....				289.66
Billing and collecting.....	668.71	2,684.80	6,199.30	46,551.27
General office, salaries and expenses.....	394.46	2,165.56	8,579.67	26,677.87
Undistributed expenses.....	8.08	241.36	2,752.94	
Truck operation and maintenance.....		398.15	1,303.33	
Interest.....	1,258.78	2,303.75	1,905.23	26,780.00
Sinking fund and principal payments on debentures.....	2,000.00	1,600.00	5,250.00	22,254.84
Depreciation.....	939.00	2,369.00	5,069.00	53,779.00
Other reserves.....				
Total operating costs and fixed charges.....	27,947.18	56,243.87	97,724.33	1,182,815.37
Net surplus or deficit.....	4,951.00	2,255.32	2,277.05	106,714.94
NUMBER OF CUSTOMERS				
Domestic service.....	181	612	887	10,163
Commercial light service.....	23	79	190	1,361
Power service.....	3	2	27	204
Total.....	207	693	1,104	11,728

Utilities for Year Ended December 31, 1953

Hearst 1,954	*Kapuskasing 5,187	Larder Lake Twp. 1,827	Latchford 543	McGarry 2,233	Nipigon Twp. 2,166
\$	\$	\$	\$	\$	\$
30,743.64	30,906.01	23,534.23	4,027.35	25,345.11	19,463.62
39,687.22	26,587.81	7,466.51	3,906.16	8,866.37	18,511.89
3,263.79	2,567.60	157.95	940.90	1,350.64	1,281.13
917.59		1,119.96			479.26
1,112.00	2,067.13	2,337.99	555.00	1,625.16	2,203.00
	187.15				412.33
75,724.24	62,315.70	34,676.64	9,429.41	37,187.28	42,351.23
26,990.00	35,137.04	21,310.17	3,557.72	26,312.07	20,465.52
2,152.92	44.95				
3,468.78	6,118.36	2,885.46	129.69	407.62	2,974.60
331.96	260.00	56.40		47.40	475.23
652.40	2,140.66	601.39	56.28	609.57	1,017.38
21.35					
254.12	911.38	561.51	116.71	887.79	764.09
3,698.67	2,531.14	1,962.16	308.72	1,995.59	1,940.37
2,167.19	2,223.89	2,351.23	291.75	1,577.72	2,100.89
24.72	1,182.55	58.00	2.03	10.54	544.52
1,136.29	319.64				685.11
7,541.47	1,039.21	603.60	688.00	500.00	
4,600.00	1,775.07	1,000.00	800.00	500.00	
3,041.00	1,447.00	1,510.00	477.00	1,246.00	1,849.00
56,080.87	55,180.89	32,899.92	6,427.90	34,094.30	32,816.71
19,643.37	7,134.81	1,776.72	3,001.51	3,092.98	9,534.52
483	1,204	433	119	314	454
130	178	70	29	58	101
10	26	4	2	1	5
623	1,408	507	150	373	560

*5 months' operation

Operating Reports of Municipal Electrical

NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp. 1,920
Population.....	19,891	34,348	1,868	
EARNINGS	\$	\$	\$	\$
Domestic service.....	238,593.22	446,393.94	14,386.96	22,662.20
Commercial light service.....	132,218.91	234,344.20	9,330.41	9,864.79
Commercial power service.....	83,547.47	498,541.09	100.70	5,870.35
Municipal power.....	6,500.27	29,632.59	562.08	
Street lighting.....	16,450.97	39,998.01	1,003.00	3,063.00
Merchandise.....				
Miscellaneous.....		3,482.32		75.00
Total earnings.....	477,310.84	1,252,392.15	25,383.15	41,535.34
EXPENSES				
Power purchased.....	316,826.94	876,379.04	12,978.97	18,286.26
Substation operation.....	4,538.75	* 39,151.22		
Substation maintenance.....		13,879.39		
Distribution system, operation and maintenance.....	18,934.93	34,366.11	943.00	2,803.02
Line transformer maintenance.....	1,104.29	3,397.97		88.34
Meter maintenance.....	6,913.26	11,560.49	122.90	686.06
Consumers' premises expenses.....	6,209.45			
Street lighting, operation and main- tenance.....	4,073.18	8,759.77	279.39	871.18
Promotion of business.....		2,102.04		
Billing and collecting.....	27,182.30	40,307.92	1,163.06	2,949.34
General office, salaries and expenses.....	30,414.22	19,338.67	1,436.23	1,563.28
Undistributed expenses.....	6,636.23	373.55		163.16
Truck operation and maintenance.....		934.15		540.32
Interest.....	15,071.78		821.41	1,537.08
Sinking fund and principal payments on debentures.....			1,430.00	4,324.50
Depreciation.....	16,710.00	73,696.78	1,253.00	1,643.00
Other reserves.....		4,500.00		
Total operating costs and fixed charges.....	454,615.33	1,128,747.10	20,427.96	35,455.54
Net surplus or deficit.....	22,695.51	123,645.05	4,955.19	6,079.80
NUMBER OF CUSTOMERS				
Domestic service.....	4,792	9,464	243	446
Commercial light service.....	858	1,233	24	49
Power service.....	103	167	2	2
Total.....	5,753	10,864	269	497

*Includes \$17,504.64 generation expense

Utilities for Year Ended December 31, 1953

Sioux Lookout	Sturgeon Falls	Sudbury	Terrace Bay	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
2,491	5,347	46,043	1,596		
\$	\$	\$	\$	\$	\$
43,753.24	48,080.78	700,013.54	30,533.31	2,285,671.86	43,344,584.75
23,829.01	37,625.99	351,460.50	15,104.26	1,199,611.71	22,810,062.53
11,713.15	3,765.04	93,079.15	6,470.00	1,217,607.37	34,353,328.93
2,067.66	2,291.28	17,362.11		82,427.52	3,807,113.85
7,367.32	6,133.65	62,657.15	2,913.00	194,477.24	3,681,919.79
				123.00	106,439.08
330.54		4,652.81		30,519.83	1,150,872.57
89,060.92	97,896.74	1,229,225.26	55,020.57	5,010,438.53	109,254,321.50
51,225.25	49,742.03	689,960.50	26,067.13	3,160,192.46	69,750,629.67
	187.75	30,986.95		124,525.84	1,965,232.59
		13,661.16		32,704.31	981,867.28
4,236.90	10,200.91	62,861.61	2,018.05	192,785.81	3,664,900.97
564.15	1,107.24	4,675.50	46.08	17,847.16	618,888.59
937.52	2,491.72	24,093.70	981.33	77,120.18	1,104,514.16
65.20		21,016.88		47,382.03	1,533,655.23
1,234.41	1,675.84	20,250.27	528.85	53,440.56	902,681.79
				2,391.70	371,878.60
4,087.97	3,788.04	55,518.22	2,067.78	205,655.36	3,361,829.39
3,869.78	6,719.84	28,924.77	1,806.52	142,603.54	3,192,357.30
312.16	7,052.56	1,180.46		20,542.86	1,310,174.19
1,259.47	984.17	19,097.99	126.21	26,784.83	222,900.25
	3,764.55	45,009.69	2,439.37	111,263.92	1,276,681.71
		22,056.20	3,900.00	71,490.61	1,123,786.30
2,075.00	4,892.00	58,165.00	2,755.00	232,915.78	5,832,594.43
				4,500.00	147,082.99
69,867.81	92,606.65	1,097,458.90	42,736.32	4,524,146.95	97,361,655.44
19,193.11	5,290.09	131,766.36	12,284.25	486,291.58	11,892,666.06
701	1,155	12,022	331	44,004	850,904
114	207	1,443	37	6,184	114,855
14	16	181	1	770	20,385
829	1,378	13,646	369	50,958	986,144

STATEMENT "C"

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the 370 municipalities served either by the municipal electrical utilities or directly by the Commission through local distribution systems. Municipalities served through the facilities of the Rural Power District are not included. The wholesale cost of the power supplied by the Commission to each municipality under cost contract is now shown in the Cost of Power Statement in Appendix II and not, as formerly, in Statement "C."

Rates to Customers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject at all times to the approval and control of the Commission." (R.S.O. 1950, c. 281, s. 104.)

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1953 are given in this statement.

Customers using continuous electric water-heaters may purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

Domestic Service: Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

Commercial Light Service: Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.

Power Service: The rate schedules for power service in Statement "C" cover retail supply to power customers of the municipal utilities and local systems. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27 cents per kilowatt per month gross for service at sub-transmission voltage and an allowance of 17 cents per kilowatt per month gross for service at primary distribution voltage. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable. The service charge is based on the connected load, or on the maximum demand where a demand meter is installed.

In order to simplify billing procedure, the power demand of power service customers is billed by using the kilowatt rather than horsepower. However, the annual basis-rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time, it serves as an indication of the relative cost of power service in the various municipalities listed.

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Acton.....	45	60	3.1	1.3	0.83
Agincourt.....	43	60	3.1	1.1	0.83
Ailsa Craig.....	51	60	3.2	1.2	0.83
Ajax.....	39	60	4.0	1.5	0.83
Alexandria.....	58	60	3.0	1.0	1.11
Alfred.....		a20	5.0	3.0	
Alliston.....	43	55	3.5	1.0	1.11
Almonte.....	37	60	2.5	1.0	0.83
Alvinston.....	54	60	3.5	1.0	0.83
Amherstburg.....	51	60	3.5	1.2	1.11
Ancaster Twp (including Ancaster).....	43	60	4.2	1.2	1.11
Apple Hill.....	56	60	4.0	1.0	1.39
Arkona.....	51	60	4.4	1.2	1.11
Arnprior.....	42	60	2.9	1.0	0.83
Arthur.....	45	60	3.3	1.2	1.11
Athens.....	40	60	3.4	1.2	1.11
Atikokan.....	43	60	4.4	1.5	1.67
Aurora.....	42	60	2.7	1.1	0.83
Aylmer.....	45	60	2.5	1.0	0.83
Ayr.....	44	60	3.1	1.2	1.11
Baden.....	42	60	3.3	1.3	0.83
Bala.....	36	b50	3.7	1.2	1.66
Bancroft.....	53	60	4.5	1.5	1.39
Barrie.....	40	60	2.4	0.8	0.83
Barry's Bay.....	47	60	4.7	1.6	1.67
Bath.....	58	60	4.8	1.5	2.22
Beachville.....	44	60	3.2	1.2	0.83
Beamsville.....	43	60	2.7	1.2	0.83
Beardmore.....	43	60	4.4	1.5	1.67
Beaverton.....	45	60	2.8	1.2	1.39
Beeton.....	50	60	3.8	1.2	1.39
Belle River.....	45	60	4.0	1.4	1.39
Belleville.....	35	60	1.8	0.8	0.83
Blenheim.....	48	60	2.6	1.1	1.11
Bloomfield.....	54	60	2.5	0.9	0.83
Blyth.....	47	60	2.9	1.1	1.11
Bobcaygeon.....	47	60	5.0	1.25	2.22
Bolton.....	46	60	3.0	1.1	0.83
Bothwell.....	52	60	2.6	1.0	0.83
Bowmanville.....	40	60	3.0	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.3	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.7	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.5	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	35.00	1.35	3.5	2.3	0.33
Same as domestic				Special				
5.0	3.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	0.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.9	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.6	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.9	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.7	1.1	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.7	0.8	1.66	20.00	1.20	1.4	0.9	0.30
5.0	3.5	1.5	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.0	1.5	1.67	32.00	1.35	3.1	2.0	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.7	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	3.4	1.2	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.4	1.1	1.39	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.5	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.1	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	0.8	0.83	21.00	1.20	1.6	1.0	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Bradford.....	56	45	4.2	1.0	1.39
Braeside.....	49	50	4.0	1.3	0.83
Brampton.....	45	60	2.5	1.2	0.83
Brantford.....	44	60	2.2	1.2	0.83
Brantford Twp.....	45	60	3.4	1.3	1.11
Brechin.....	45	60	4.0	1.2	1.11
Bridgeport.....	41	60	3.0	1.0	0.83
Brigden.....	53	60	3.0	0.9	1.11
Brighton.....	42	60	3.6	1.1	0.83
Brockville.....	38	60	2.0	1.0	0.83
Bronte.....	43	60	3.0	1.5	0.83
Brussels.....	49	60	3.2	1.0	1.11
Burford.....	43	60	2.9	1.1	0.83
Burgessville.....	52	60	4.0	1.0	1.11
Burks Falls.....	47	50	5.0	1.5	2.50
Burlington.....	42	60	3.8	1.4	1.11
Burlington Beach or Hamilton Beach.....	33	60	3.5	1.1	0.83
Cache Bay.....	52	60	6.0	2.0	1.67
Caledonia.....	43	60	2.4	1.2	1.11
Campbellville.....	50	60	3.0	1.3	1.11
Cannington.....	48	60	3.2	1.0	1.11
Capreol.....	43	60	3.5	1.3	1.39
Cardinal.....	40	55	2.8	1.1	1.11
Carleton Place.....	37	55	2.8	1.1	1.11
Casselman.....	42	60	5.0	2.0	1.11
Cayuga.....	46	60	3.5	1.0	1.39
Chatham.....	48	60	3.8	1.4	1.11
Chatsworth.....	46	60	3.2	1.1	1.39
Chesley.....	45	60	2.7	1.0	1.11
Chesterville.....	44	55	2.3	0.9	0.83
Chippawa.....	40	60	3.1	1.4	1.11
Clifford.....	48	60	3.8	1.5	1.11
Clinton.....	46	60	2.8	1.0	0.83
Cobalt.....	42	60	4.2	1.5	0.83
Cobden.....	31	40	2.8	1.0	1.11
Cobourg.....	44	60	2.9	1.4	0.83
Cochrane.....	42	60	3.0	1.4	0.83
Colborne.....	43	60	3.8	1.0	0.83
Coldwater.....	45	b55	2.5	1.0	1.11
Collingwood.....	43	60	2.5	1.1	1.11

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.7	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.0	1.1	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.5	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	0.8	1.11	31.00	1.35	2.9	1.9	0.33
5.0	4.5	1.5	2.50	30.00	1.35	2.8	1.8	0.33
5.0	3.2	1.0	1.11	29.00	1.35	2.6	1.7	0.33
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	6.0	2.0	1.67	38.00	1.35	4.0	2.6	0.33
5.0	1.9	1.1	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.1	1.39	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	4.5	2.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.3	1.2	1.11	25.00	1.35	2.0	1.3	0.40
5.0	2.7	1.1	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.5	1.5	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.7	1.5	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.1	1.11	21.00	1.20	1.6	1.0	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Comber.....	52	60	3.3	1.2	0.83
Cookstown.....	51	45	4.3	1.0	1.39
Cottage Cove Townsite.....	45	60	4.4	1.7	1.67
Cottam.....	45	60	3.0	1.0	0.83
Courtright.....	59	60	3.0	1.1	1.11
Creemore.....	53	50	3.1	1.0	1.39
Dashwood.....	50	60	4.1	1.4	1.11
Delaware.....	46	60	3.8	1.4	1.11
Delhi.....	43	60	3.2	1.0	0.83
Deseronto.....	51	60	3.9	1.0	0.83
Dorchester.....	47	60	2.8	1.2	0.83
Drayton.....	59	55	4.0	1.3	1.11
Dresden.....	45	60	3.0	1.1	1.11
Drumbo.....	41	60	3.5	1.0	1.11
Dublin.....	55	60	3.5	1.1	1.11
Dundalk.....	44	60	2.7	1.0	1.11
Dundas.....	38	60	2.5	1.0	0.83
Dunnville.....	47	60	2.3	1.4	0.83
Durham.....	58	60	2.7	1.1	1.11
Dutton.....	51	60	2.9	1.2	0.83
East York Twp.....	42	60	2.5	1.3	0.83
Eganville.....	44	60	5.0	1.3	1.11
Elk Lake Townsite.....	42			Special	
Elmira.....	45	60	3.2	0.9	1.11
Elmvale.....	46	60	2.9	1.1	1.39
Elmwood.....	53	50	3.5	0.9	1.11
Elora.....	44	60	3.2	1.4	1.11
Embro.....	44	60	3.3	1.1	0.83
Englehart.....	50	60	4.5	1.5	0.83
Erieau.....	51	60	3.7	1.0	1.11
Erie Beach.....	61	60	5.3	1.5	1.67
Erin.....	50	40	5.0	1.5	1.39
Essex.....	51	60	2.9	1.2	1.11
Etobicoke Twp (including Thistletown)	40	60	2.7	1.3	0.83
Exeter.....	47	60	3.0	1.3	1.11
Fergus.....	45	60	2.9	1.2	1.11
Finch.....	51	45	3.0	1.2	1.39
Flesherton.....	50	60	2.8	1.0	1.11
Fonthill.....	41	60	3.0	1.3	0.83
Forest.....	50	60	3.4	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.8	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	3.8	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.2	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30
5.0	3.7	1.3	1.11	34.00	1.35	3.4	2.2	0.33
5.0	3.4	1.4	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.4	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.4	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.4	1.2	1.11	32.00	1.35	3.1	2.0	0.33
Special				Special				
5.0	2.6	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.4	1.0	1.39	29.00	1.35	2.6	1.7	0.33
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33
5.0	4.0	1.5	0.83	32.00	1.35	3.1	2.0	0.33
5.0	3.5	0.9	1.11	38.00	A1.35	4.0	2.6	0.33
5.0	4.8	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33
5.0	2.4	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.6	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.9	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.2	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Forest Hill.....	40	60	2.5	1.4	0.83
Fort William.....	34	60	2.0	0.8	0.83
Frankford.....	34	60	4.5	1.2	0.83
Galt.....	40	60	3.0	1.1	0.83
Georgetown.....	45	60	2.6	1.2	0.83
Glen Williams.....	45	60	3.3	1.6	0.83
Geraldton.....	43	60	4.4	1.5	1.67
Glencoe.....	52	60	3.0	0.9	1.11
Goderich.....	52	60	3.3	1.4	0.83
Grand Valley.....	50	60	3.0	1.2	1.11
Granton.....	50	60	3.9	1.4	1.11
Gravenhurst.....	40	60	2.1	1.0	1.11
Grimsby.....	46	60	2.5	1.1	0.83
Guelph.....	41	60	2.5	1.1	0.83
Hagersville.....	41	60	2.8	1.1	0.83
Haileybury.....	37	60	3.9	1.2	0.83
Hamilton.....	46	60	2.6	1.1	0.83
Hanover.....	42	60	2.4	1.0	0.83
Harriston.....	48	60	3.4	1.4	0.83
Harrow.....	49	60	3.5	1.4	0.83
Hastings.....	52	45	4.2	1.0	1.11
Havelock.....	45	60	3.6	1.5	0.83
Hawkesbury.....		Special			
Hearst.....	60	60	8.0	2.0	2.78
Hensall.....	48	60	3.2	1.0	0.83
Hepworth.....	50	60	4.0	1.2	1.67
Hespeler.....	42	60	3.2	1.1	0.83
Highgate.....	47	60	3.2	0.9	0.83
Holstein.....	75	60	3.0	1.0	1.11
Hudson Townsite.....	45	60	4.4	1.7	1.67
Huntsville.....	40	60	2.4	1.2	1.11
Ingersoll.....	46	60	3.4	1.3	1.11
Iroquois.....	43	60	2.8	1.2	0.83
Jarvis.....	44	60	2.8	0.9	0.83
Jellicoe Townsite.....	45	60	4.4	1.7	1.67
Kapuskasing.....	42	60	3.2	1.5	0.83
Kearns Townsite.....	45	c40	3.5	¹ /1.6 0.75	² /1.67 ³ /2.25
Kemptville.....	45	55	3.2	1.0	0.83
Kincardine.....	45	50	3.1	1.0	1.11
King Kirkland Townsite.....	45	c40	3.5	¹ /1.6 0.75	² /1.67 ³ /2.25
Kingston.....	38	60	1.8	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.5	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.1	1.2	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.9	1.4	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	2.5	1.2	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.4	1.3	1.11	29.00	1.35	2.6	1.7	0.33
5.0	1.6	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.9	0.83	19.50	1.00	1.5	1.1	0.30
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.4	1.2	0.83	25.00	1.35	2.0	1.3	0.33
B5.0	1.9	0.7	0.83	18.50	1.00	1.4	0.9	0.40
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.3	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.6	1.0	1.11	37.00	1.35	3.8	2.5	0.33
5.0	3.1	1.3	0.83	30.00	1.35	2.8	1.8	0.33
Special					Special			
5.0	7.5	2.0	2.78	45.00	1.35	4.9	3.3	0.33
5.0	2.7	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	0.83	21.00	1.20	1.6	1.0	0.33
5.0	2.8	0.7	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.2	1.1	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.7	1.5	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	³ 2.25	25.00	1.35	2.0	1.3	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
5.0	1.5	0.9	³ 2.25	20.00	1.20	1.4	0.9	0.30

Rates to Customers in
Served by The Hydro-Electric
as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Kingsville.....	48	60	3.2	1.2	0.83
Kirkfield.....	58	50	5.0	1.2	1.66
Kirkland Lake.....	42	Special			
Kitchener.....	42	60	2.6	1.3	0.83
Lakefield.....	38	55	2.8	1.0	0.83
Lambeth.....	43	60	3.5	1.3	0.83
Lanark.....	36	60	2.5	1.1	0.83
Lancaster.....	62	60	3.0	1.0	0.83
Larder Lake Twp.....		Special			
La Salle.....	52	60	4.6	1.6	1.67
Latchford.....		60	5.0	2.0	1.67
Leamington.....	48	60	2.7	1.1	1.11
Lindsay.....	44	60	2.6	1.3	0.83
Listowel.....	49	60	3.0	1.3	0.83
London.....	44	60	2.8	1.2	0.83
London Twp.....	42	60	3.2	1.3	1.11
Long Branch.....	40	60	2.4	1.2	0.83
L'Orignal.....	41	60	6.0	2.0	1.50
Lucan.....	48	60	3.4	1.4	1.11
Lucknow.....	57	55	2.7	1.0	1.39
Lynden.....	45	60	3.2	1.1	0.83
Madoc.....	47	60	2.9	1.2	0.83
Magnetawan.....	52	60	6.0	2.0	3.60
Markdale.....	45	60	2.0	1.0	0.83
Markham.....	45	60	2.8	1.1	0.83
Marmora.....	48	60	3.6	1.0	0.83
Martintown.....	48	50	3.0	1.0	1.11
Massey.....		Special			
Matachewan Twp.....	45	50	4.5	1.0	1.11
Matheson.....	45	c40	3.5	¹ 1.6 0.75	² 1.67 ³ 2.25
Mattawa.....	45	60	5.3	1.6	1.67
Maxville.....	58	55	3.1	1.0	0.83
McGarry.....		Special			
Meaford.....	46	60	2.6	1.0	0.83
Merlin.....	44	60	3.1	1.0	0.83
Merrickville.....	40	60	3.0	1.3	1.11
Merritton.....	43	60	3.2	1.3	0.83
Midland.....	40	60	2.5	1.1	1.11
Mildmay.....	52	50	2.8	1.0	1.39
Millbrook.....	48	60	4.6	1.0	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.4	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	4.5	1.0	1.66	39.00	1.35	4.1	2.7	0.33
	Special				Special			
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.1	1.1	0.83	39.00	1.35	4.1	2.7	0.33
5.0	2.0	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	35.00	1.35	3.5	2.3	0.33
Special					Special			
5.0	4.1	1.5	1.67	36.00	1.35	3.7	2.4	0.33
5.0	4.5	2.0	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.1	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	1.3	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.9	1.1	0.83	22.00	1.20	1.7	1.2	0.30
5.0	5.5	2.0	1.50	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.1	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.2	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.1	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.5	2.0	3.60	35.00	1.35	3.5	2.3	0.33
5.0	1.8	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.2	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.66	30.00	1.35	2.8	1.8	0.33
Special				Special				
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
			³ 2.25					
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
			³ 2.25					
5.0	4.8	1.6	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.0	0.83	35.00	1.35	3.5	2.3	0.33
Special				Special				
5.0	2.2	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.6	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.2	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.1	1.11	19.50	1.00	1.5	1.1	0.30
5.0	2.4	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.2	1.0	0.83	35.00	1.35	3.5	2.3	0.33

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Milton.....	45	60	3.1	1.6	0.83
Milverton.....	48	60	3.4	1.3	1.11
Mimico.....	42	60	2.7	1.2	0.83
Mitchell.....	46	60	3.6	1.4	0.83
Moorefield.....	63	60	3.2	1.0	1.39
Morrisburg.....	43	60	3.0	1.0	0.83
Mount Brydges.....	48	60	2.9	1.3	0.83
Mount Forest.....	52	60	2.8	1.0	0.83
Napanee.....	39	60	2.8	1.1	0.83
Neustadt.....	52	60	3.0	1.0	1.39
Newboro.....		60	5.0	1.5	2.22
Newburgh.....	40	60	4.3	1.2	1.39
Newbury.....	50	60	4.0	1.0	1.11
Newcastle.....	43	60	3.0	0.9	1.11
New Hamburg.....	43	60	3.2	1.3	0.83
New Liskeard.....	42	Special			
Newmarket.....	40	60	2.5	1.0	0.83
New Toronto.....	42	60	2.6	1.2	0.83
Niagara.....	41	60	3.0	1.4	0.83
Niagara Falls.....	37	60	2.1	1.0	1.00
Nipigon Twp.....	32	60	2.8	1.0	1.11
North Bay.....	42	60	2.3	1.0	0.83
North York Twp.....	43	60	2.9	1.6	0.83
Norwich.....	46	60	3.4	1.2	1.11
Norwood.....	45	50	3.9	1.1	1.11
Oakville.....	44	60	3.0	1.4	0.83
Oil Springs.....	52	60	3.0	1.0	1.11
Omemece.....	44	60	3.3	1.0	0.83
Orangeville.....	52	55	2.8	1.0	1.11
Orono.....	45	60	4.5	1.0	1.11
Oshawa.....	42	60	3.0	1.1	0.83
Ottawa (including Eastview and Rock- cliffe Park).....	32	b { 60 60	{ 2.0 1.0	*0.5	0.83
Otterville.....	46	60	3.0	1.0	0.83
Owen Sound.....	42	60	2.4	1.1	1.11
Paisley.....	57	50	4.0	1.0	1.39
Palmerston.....	44	60	2.6	1.0	1.11
Paris.....	42	60	2.8	1.3	0.83
Parkhill.....	50	60	3.4	1.2	1.11
Parry Sound.....	42	60	2.8	1.2	0.83
Penetanguishene.....	45	60	2.4	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.6	1.6	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.0	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.1	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.8	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.5	1.5	2.22	30.00	1.35	2.8	1.8	0.33
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	26.00	1.35	2.2	1.4	0.33
Special					Special			
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	1.9	0.9	1.00	17.50	1.00	1.3	0.8	0.40
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25
5.0	4.0	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.5	C0.83	18.00	d1.00†	1.8	1.2	0.15
5.0	2.5	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.1	1.0	1.11	19.50	1.00	1.5	1.1	0.40
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.8	0.83	19.50	1.00	1.5	1.1	0.30
5.0	2.9	1.2	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Perth.....	37	55	2.8	1.0	0.83
Peterborough.....	40	60	2.6	1.3	0.83
Petrolia.....	50	60	3.6	1.2	0.83
Pickle Lake Landing Townsite.....	45	60	4.4	1.7	1.67
Picton.....	43	60	2.2	0.9	0.83
Plattsville.....	52	60	3.3	1.2	0.83
Point Edward.....	46	60	3.5	1.2	0.83
Port Arthur.....	34	60	2.0	0.8	0.83
Port Carling.....	50	b45	4.7	1.5	1.66
Port Colborne.....	41	60	2.7	1.0	0.83
Port Credit.....	42	60	2.7	1.3	0.83
Port Dalhousie.....	43	60	3.2	1.5	0.83
Port Dover.....	45	60	2.4	1.2	0.83
Port Elgin.....	50	60	3.5	1.3	1.11
Port Hope.....	45	60	2.6	1.3	0.83
Port McNicoll.....	48	60	3.3	1.0	0.83
Port Perry.....	52	50	4.0	1.2	1.11
Port Rowan.....	50	60	3.2	1.1	1.11
Port Stanley.....	47	60	2.8	0.9	1.11
Powassan.....	45	c40	3.5	¹ 1.6 (0.75	² 1.67 ³ 2.25
Prescott.....	40	60	2.9	1.3	0.83
Preston.....	40	60	3.3	1.3	0.83
Priceville.....	52	60	5.0	1.5	1.67
Princeton.....	48	60	3.0	1.0	1.39
Queenston.....	40	60	2.8	1.3	0.83
Red Lake Townsite.....	45	60	4.4	1.7	1.67
Red Rock.....	32	60	2.6	1.1	1.67
Renfrew.....	35	45	3.5	1.0	0.83
Richmond.....	54	40	4.3	1.2	1.67
Richmond Hill.....	45	60	2.8	1.2	0.83
Ridgetown.....	51	60	2.9	1.1	0.83
Ripley.....	68	55	4.8	1.0	1.67
Riverside.....	48	60	3.6	1.4	1.11
Rockwood.....	48	60	3.3	1.3	0.83
Rodney.....	52	60	2.5	1.0	0.83
Rosseau.....	43	60	3.5	1.6	1.67
Russell.....	40	60	3.3	1.2	1.11
St. Catharines.....	40	60	2.5	1.3	1.00
St. Clair Beach.....	46	60	3.6	1.2	1.11
St. George.....	44	60	2.5	0.9	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	1.2	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.1	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.0	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	0.8	1.66	32.00	1.35	3.1	2.0	0.33
5.0	2.4	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.2	1.2	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.1	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.7	0.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	0.6	1.11	26.00	E1.35	2.2	1.4	0.33
5.0	3.5	1.0	² 1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	1.3	³ 2.25	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	4.5	1.5	1.67	33.00	1.35	3.2	2.1	0.33
5.0	2.7	0.8	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.4	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.1	1.0	1.67	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.5	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.0	1.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.9	0.83	26.00	1.35	2.2	1.4	0.33
5.0	4.3	0.8	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.9	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.2	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.6	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.8	1.2	1.11	25.00	1.35	2.0	1.3	0.33
B5.0	2.1	0.9	D1.00	21.00	1.20	1.6	1.0	0.30
5.0	3.5	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.0	0.6	0.83	22.00	1.20	1.7	1.2	0.30

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
St. Jacobs	42	60	3.0	1.1	0.83
St. Mary's	43	60	3.5	1.3	0.83
St. Thomas	43	60	3.2	1.2	0.83
Sarnia	44	60	3.0	1.2	0.83
Scarborough Twp.	43	60	2.7	1.4	0.83
Schreiber Twp.	35	60	3.5	1.2	1.67
Seaforth	47	60	3.1	1.2	0.83
Shelburne	45	60	3.0	1.2	1.11
Simcoe	42	60	2.5	1.0	0.83
Sioux Lookout	51	60	4.0	1.5	2.00
Smith's Falls	38	60	2.6	1.0	0.83
Smithville	45	60	3.2	1.2	0.83
Southampton	48	50	3.2	1.1	1.11
South Porcupine Townsite	42		Special		
Springfield	49	60	3.4	0.9	0.83
Stamford Twp.	36	60	3.1	1.3	1.00
Stayner	41	60	3.0	1.2	1.11
Stirling	40	60	2.7	1.3	0.83
Stoney Creek	41	60	3.7	1.4	0.83
Stouffville	44	60	2.4	1.0	0.83
Stratford	43	60	2.9	1.2	0.83
Strathroy	42	60	3.1	0.9	0.83
Streetsville	42	60	2.9	1.3	0.83
Sturgeon Falls	46	60	3.8	1.5	1.11
Sudbury	43	60	2.6	1.2	1.11
Sunderland	60	60	3.5	1.0	1.11
Sundridge	52	60	5.8	2.0	2.50
Sutton	48	60	2.7	1.0	1.11
Swansea	44	60	2.4	1.3	0.83
Tara	48	60	2.8	1.2	1.11
Tavistock	44	60	2.7	1.4	0.83
Tecumseh	43	60	3.5	1.0	1.11
Teeswater	60	60	3.0	1.0	1.11
Terrace Bay	35	60	2.7	1.0	1.67
Thamesford	49	60	3.6	1.5	1.11
Thamesville	52	60	3.5	1.3	0.83
Thedford	56	60	3.6	1.0	0.83
Thornbury	48	60	3.5	1.3	1.11
Thornedale	58	60	4.1	1.2	0.83
Thornloe			Special		

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.5	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.2	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.0	1.2	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.5	2.0	F1.00	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.8	1.1	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	1.1	1.11	26.00	1.35	2.2	1.4	0.33
Special	5.0	2.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.2	1.00	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.3	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	1.9	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.4	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.3	1.5	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.2	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	5.3	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.4	0.7	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.4	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.9	0.7	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.2	1.0	1.67	29.00	1.35	2.6	1.7	0.33
5.0	3.1	1.4	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.2	0.7	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.1	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.7	1.0	0.83	36.00	1.35	3.7	2.4	0.33
Special					Special			

Rates to Customers in Served by The Hydro-Electric as at December

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Thornton.....	62	60	3.8	1.0	1.39
Thorold.....	40	60	2.7	1.4	1.11
Tilbury.....	51	60	2.5	1.0	0.83
Tillsonburg.....	43	60	3.2	1.2	1.11
Timmins.....	42		Special		
Toronto (including Leaside).....	**	60	2.0	1.4	0.83
Toronto Twp.....	42	60	3.0	1.6	1.11
Tottenham.....	44	50	3.5	1.0	1.39
Trafalgar Twp.....	43	60	4.5	2.3	1.11
Trenton.....	33	60	1.8	0.8	0.83
Tweed.....	57	50	3.8	1.0	0.83
Uxbridge.....	55	60	3.1	1.0	1.11
Vankleek Hill.....	41	60	4.5	1.5	1.11
Victoria Harbour.....	45	60	2.8	1.2	1.11
Walkerton.....	44	50	3.2	1.1	1.11
Wallaceburg.....	48	60	3.1	1.2	1.11
Wardsville.....	52	60	3.6	0.9	1.11
Warkworth.....	52	50	3.5	1.2	1.11
Wasaga Beach.....	37	60	4.3	2.2	1.67
Waterdown.....	42	60	2.6	1.2	0.83
Waterford.....	44	60	2.5	1.1	0.83
Waterloo.....	42	60	2.6	1.1	0.83
Watford.....	46	60	3.1	1.1	0.83
Waubausheene.....	45	60	3.2	1.2	1.39
Webbwood.....			Special		
Welland.....	42	60	2.4	1.1	0.83
Wellesley.....	48	60	3.0	1.2	0.83
Wellington.....	48	60	2.5	0.9	0.83
West Lorne.....	51	60	2.9	1.0	1.11
Weston.....	43	60	2.5	1.2	0.83
Westport.....	40	60	3.0	1.0	1.11
Wheatley.....	53	60	2.9	1.0	0.83
Whitby.....	41	60	2.7	1.2	0.83
Warton.....	47	60	2.5	0.9	1.11
Williamsburg.....	40	60	2.0	0.8	0.83
Winchester.....	42	60	2.3	1.0	0.83
Windermere.....	66	60	4.0	1.5	2.22
Windsor.....	47	60	3.2	1.3	0.83
Wingham.....	45	50	3.2	1.1	1.11
Woodbridge.....	43	60	2.7	1.1	0.83

See explanatory notes on pages 246 and 247.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Continued

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	Al. additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.3	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	24.00	1.20	2.1	1.4	0.30
Special					Special			
e8.5	2.1	0.7	0.83	24.00	{ 1.10 f1.50	{ 2.1 3.0	{ 1.4 1.2	{ 0.38 0.60
5.0	2.5	1.6	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.9	1.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.3	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	4.0	1.5	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.4	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.6	0.9	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	3.7	1.7	1.67	28.00	1.35	2.5	1.6	0.33
5.0	2.2	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.6	1.2	1.39	33.00	1.35	3.2	2.1	0.33
Special				Special				
5.0	2.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.9	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.7	0.7	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33
5.0	1.8	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33
5.0	2.8	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.3	1.1	0.83	22.00	1.20	1.7	1.2	0.30

**Rates to Customers in
Served by The Hydro-Electric
as at December**

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Woodstock.....	43	60	3.3	1.2	1.11
Woodville.....	58	50	3.8	1.0	1.11
Wyoming.....	50	60	3.4	1.0	0.83
York Twp.....	42	60	2.3	1.1	0.83
Zurich.....	51	60	3.7	1.2	0.83

NOTES

Service Charges

All but item (b) apply to both 2-wire and 3-wire service.

- a 60¢ per month.
- b 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- c 56¢ per month.
- d \$1.00 per hp.
- e Minimum 50¢.
- f Direct-current service \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

Types of Service

- ¹ 2-wire service next 80 kwh; 3-wire service next 180 kwh.
- ² 2-wire service.
- ³ 3-wire service.

Municipalities, Groups 1 and 3
Power Commission of Ontario
31, 1953—Concluded

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33
5.0	2.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33

NOTES

Established Minimum Bills

- A \$3.00 per kw per month.
 B Minimum 500 watts.
 C 83¢ or \$1.00 per kw.
 D \$1.00 or \$1.00 per kw.
 E \$1.50 per kw per month.
 F Per 100 watts—minimum \$2.00, maximum \$5.00.

Special Rates or Discounts

- † Local discount 15 and 10 per cent.
 * 1.0¢ for monthly consumption in excess of 1,000 kwh.
 ** Flat-rate water-heater service—Toronto:

- System-owned—First 400 watts \$2.90 per month.
 Each 100 watts additional 40¢ per month.
 1,000-watt and 1,200-watt heaters 30¢ additional per month.
 1,500-watt heaters 40¢ additional per month.
 2,000-watt and 2,500-watt heaters 50¢ additional per month.
 Heaters 3,000 watts and over 55¢ additional per month.
 Customer-owned—First 400 watts \$1.98 per month.
 Each 100 watts additional 40¢ per month.

STATEMENT "D"

Statement "D" gives useful and interesting information about the services rendered, first by the municipal electrical utilities operating under cost or fixed-rate contracts with the Commission, and second by the Commission in serving ultimate customers through the operation of local distribution systems. It gives for each of the three main classes of service the revenue, number of customers, average consumption or load, and certain average unit costs. The revenue and estimated consumption resulting from the use of flat-rate water-heaters are included in the total figures given. The population given in each instance is the assessed population of the municipality, or municipalities, served by the particular utility.

The average cost per kilowatt-hour to the customer is equivalent to the average revenue per kilowatt-hour received by the utility. Since the revenue includes any surplus or deficit resulting from the year's operation under rates currently in effect, the average cost per kilowatt-hour should not be taken as the utility's cost of supplying one kilowatt-hour. If rates are increased to offset a recurring deficit, the average cost per kilowatt-hour may rise. An increase in consumption accompanying an increase in rates would, however, tend to counter such a rise. A comparison of the average costs per kilowatt-hour over a number of years will show the trend in any one municipality. The trend in all municipalities, whether served under cost or fixed-rate contracts or as local systems, can be seen by referring to the tables and graphs on pages 92-3 and 342-3.

The figures in Statement "D" should not be used to compare the cost of service in one municipality with the cost in another. For such a comparison, the rates given in Statement "C" for the municipalities compared should be applied to a given number of kilowatt-hours. Since the ratio between first and second rates for domestic and commercial light service is not uniform for all municipalities, the municipality with the lower average cost for a given number of kilowatt-hours may have the higher average cost for a different number of kilowatt-hours.

One of the features of domestic service is the high annual consumption per customer. This high energy consumption, reflecting the generous use of a variety of electrical appliances, including flat-rate water-heaters, results in greater advantage being taken of low follow-up or special rates. Under such conditions average costs per kilowatt-hour are low.

Power service rates, by incorporating charges both for power and for energy, require the customer to pay first for his share of the kilowatts of demand (power) that the municipality is obliged to supply, and second for the kilowatt-hour use made of this demand (energy). The relationship between demand and energy is, therefore, an important factor in establishing average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour. The use

of demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. Since the relatively small number of power customers in any municipality have such widely varying power demands in relation to their energy consumption, the average cost per kilowatt-hour is not shown.

For power service, as for domestic and commercial light service, the statistics in Statement "D" should be used only as a measure of the general economy of service to customers in the municipalities listed. For comparisons of costs between municipalities, the rates in Statement "C" should be used in conjunction with typical demands and energy consumption of customers taking similar service under comparable conditions.

For convenience, the municipalities in Statement "D" have been listed alphabetically in three divisions: (i) municipalities having a population of 10,000 or more, (ii) municipalities with a population of over 2,000 but fewer than 10,000, and (iii) municipalities whose population is under 2,000.

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Barrie	14,975	192,340.19	21,231,733	3,821	463	4.19	0.906
Belleville	19,981	253,003.47	31,687,370	5,550	476	3.80	0.798
Brampton	10,366	159,800.98	13,731,640	2,715	421	4.90	1.164
Brantford	36,526	428,740.90	39,041,766	10,002	325	3.57	1.098
Brantford Twp.	18,662	231,392.48	17,234,369	3,769	381	5.11	1.342
Brockville	13,243	164,676.41	15,806,631	3,673	359	3.74	1.042
Chatham	22,274	269,638.38	14,634,500	5,926	206	3.79	1.840
East York Twp.	65,736	986,330.37	87,237,018	18,201	399	4.52	1.131
Etobicoke Twp.	70,209	1,333,873.22	128,734,680	21,680	495	5.13	1.036
Forest Hill	17,719	396,992.93	37,093,748	5,329	580	6.21	1.070
Fort William	36,795	514,965.95	74,391,460	10,163	610	4.22	0.692
Galt	21,513	304,554.30	24,892,819	6,248	332	4.06	1.223
Guelph	29,544	349,039.83	32,926,081	7,997	343	3.64	1.060
Hamilton	216,921	2,559,161.24	217,824,870	57,557	315	3.71	1.175
Kingston	44,888	556,622.80	52,171,655	11,374	382	4.08	1.067
† Kirkland Lake (including Swastika)	\$16,200	208,485.03	12,922,334	4,623	233	3.76	1.613
Kitchener	52,773	811,903.73	69,755,125	14,451	402	4.68	1.164
London	99,147	1,238,644.11	105,704,686	26,096	343	4.02	1.172
London Twp.	20,814	48,720.34	3,905,465	856	380	4.74	1.247
Mimico	12,301	187,004.82	16,709,246	3,563	391	4.37	1.119
Niagara Falls	25,006	265,659.16	26,937,139	6,060	370	3.65	0.986
North Bay	19,891	238,593.22	23,638,640	4,792	411	4.15	1.009
North York Twp.	110,311	2,224,921.67	191,457,105	32,561	490	5.69	1.162
Oshawa	44,101	663,353.16	60,914,824	12,119	419	4.56	1.089
Ottawa (including Eastview and Rockcliffe Park)	224,577	2,677,252.34	334,698,045	55,305	504	4.03	0.800
Owen Sound	17,112	215,205.13	18,432,214	4,702	327	3.81	1.168
Peterborough	39,714	551,790.69	56,252,971	10,864	431	4.23	0.981
Port Arthur	34,348	446,393.94	50,828,265	9,464	448	3.93	0.878
Port Colborne	13,113	99,345.48	7,839,815	3,345	195	2.47	1.267
Riverside	10,840	176,818.11	11,724,222	3,303	296	4.46	1.508
St. Catharines	39,399	513,766.97	43,833,543	11,131	328	3.85	1.172
St. Thomas	18,966	272,022.73	22,888,273	5,671	336	3.99	1.188
Sarnia	37,670	525,544.59	38,473,512	10,554	304	4.15	1.366
Scarborough Twp.	78,803	1,040,051.10	78,617,470	20,872	314	4.15	1.323
Stamford Twp.	22,868	324,688.10	27,089,182	5,598	403	4.83	1.198
Stratford	19,390	309,777.08	26,877,422	5,432	412	4.75	1.153
Sudbury	46,043	700,013.54	56,469,307	12,022	391	4.85	1.240
† Timmins (including Schumacher)	\$29,200	350,216.02	21,766,622	7,554	240	3.86	1.609
Toronto (including Leaside)	681,412	8,884,740.23	736,158,000	158,374	387	4.68	1.207
Toronto Twp.	35,199	593,592.05	45,572,701	8,658	439	5.71	1.303
Trenton	10,200	114,963.27	13,725,566	3,110	368	3.08	0.838
Waterloo	13,062	202,086.95	19,208,508	3,631	441	4.64	1.052
Welland	16,435	139,968.92	11,652,739	4,005	242	2.91	1.201
Windsor	125,966	1,568,121.74	107,867,283	30,954	290	4.22	1.455
Woodstock	16,375	253,043.06	21,185,712	4,844	364	4.35	1.194
York Twp.	100,463	1,367,109.70	132,753,451	29,006	381	3.93	1.030

§Estimated.

AND CONSUMPTION

Power service in Municipalities
Year 1953

Population 10,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
112,987.48	8,393,754	588	1,190	16.01	1.346	75,731.90	86	3,058	4,495
144,786.04	12,374,712	872	1,183	13.84	1.170	113,821.37	148	4,849	6,570
59,932.91	3,645,303	349	870	14.31	1.644	59,585.84	83	2,412	3,147
211,961.70	16,771,067	1,631	857	10.83	1.264	638,358.29	271	29,512	11,904
31,880.69	1,499,786	152	822	17.47	2.125	16,659.32	19	535	3,940
67,449.38	4,943,992	445	926	12.63	1.364	182,135.09	80	5,805	4,198
294,641.70	13,946,714	1,036	1,122	23.70	2.112	349,763.02	173	10,508	7,135
154,680.11	10,836,757	924	977	13.95	1.427	220,959.89	141	7,386	19,266
280,868.24	19,154,473	1,337	1,194	17.51	1.466	404,541.18	253	13,613	23,270
96,417.88	6,084,907	463	1,095	17.35	1.585	13,020.29	60	488	5,852
235,894.88	22,894,495	1,361	1,362	14.04	1.030	479,351.55	204	19,885	11,728
141,434.37	8,383,330	688	1,015	17.12	1.687	367,137.72	190	13,038	7,126
139,595.74	10,543,638	943	932	12.34	1.324	325,139.10	195	12,377	9,135
1,282,714.06	99,183,889	7,087	1,166	15.08	1.293	5,662,295.23	1,410	177,955	66,054
394,049.24	34,590,720	1,352	2,132	24.29	1.139	267,204.87	220	9,686	12,946
123,226.61	7,496,439	905	690	11.35	1.644	55,770.85	125	1,734	5,653
365,320.01	22,837,376	1,505	1,264	20.22	1.600	952,644.91	397	27,629	16,353
620,858.40	44,078,371	2,545	1,443	20.33	1.409	1,073,757.99	429	35,602	29,070
6,977.02	366,826	25	1,222	23.25	1.903	2,735.23	4	77	885
54,260.56	3,469,465	284	1,018	15.92	1.564	39,908.87	48	1,299	3,895
198,908.47	14,851,288	1,029	1,203	16.11	1.339	233,432.20	169	8,504	7,258
132,218.91	10,103,975	858	981	12.84	1.304	90,047.74	103	2,959	5,753
454,808.98	24,116,117	2,173	925	17.44	1.885	440,590.71	317	14,537	35,051
239,520.45	14,693,813	1,119	1,094	17.84	1.630	772,859.02	189	22,772	13,427
2,285,951.41	184,090,758	7,924	1,936	24.04	1.242	788,241.89	998	31,961	64,227
122,293.28	7,449,888	657	945	15.51	1.642	139,812.86	123	5,501	5,482
233,316.35	15,028,490	1,334	939	14.57	1.552	450,933.91	225	18,513	12,423
234,344.20	20,101,725	1,233	1,358	15.84	1.165	528,173.68	167	22,696	10,864
66,855.08	3,991,834	448	743	12.44	1.675	55,482.19	58	1,849	3,851
25,513.84	1,382,083	140	823	15.19	1.846	25,682.92	19	711	3,462
292,781.12	18,734,555	1,457	1,072	16.74	1.563	807,220.75	286	26,584	12,874
129,240.39	9,227,522	715	1,075	15.06	1.401	184,532.90	107	6,097	6,493
225,007.92	13,363,014	1,111	1,002	16.88	1.684	611,678.48	121	14,555	11,786
248,040.05	15,675,358	1,330	982	15.54	1.582	722,239.86	230	20,841	22,432
81,712.05	3,526,835	391	752	17.42	2.317	58,392.99	49	2,093	6,038
120,977.83	7,472,555	697	893	14.46	1.619	139,801.50	151	4,973	6,280
351,460.50	20,212,482	1,443	1,167	20.30	1.739	110,441.26	181	3,401	13,646
177,662.75	10,488,680	1,135	770	13.04	1.694	42,880.52	138	1,337	8,827
6,700,580.07	437,408,560	27,909	1,306	20.01	1.532	*9,307,547.55	6,503	255,781	192,786
115,090.77	5,880,600	585	838	16.39	1.957	201,319.19	117	5,577	9,360
45,529.42	3,918,395	327	999	11.60	1.162	146,938.40	70	4,919	3,507
77,919.60	4,835,198	364	1,107	17.83	1.611	183,254.18	96	5,605	4,091
114,265.82	7,339,592	614	996	15.51	1.557	346,926.46	118	10,589	4,737
1,019,957.46	54,603,676	4,076	1,116	20.85	1.868	1,930,599.59	653	53,347	35,683
138,101.59	7,630,567	645	994	17.84	1.795	255,705.48	130	8,434	5,619
375,536.85	23,670,605	2,088	945	14.99	1.587	482,013.46	347	15,174	31,441

*Does not include street railway power.

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Acton.....	2,829	43,367.03	3,510,017	832	351	4.34	1.236
†Ajax.....	5,124	71,975.05	5,366,598	1,259	355	4.76	1.341
Alexandria.....	2,253	21,518.67	1,555,216	597	217	3.00	1.384
Alliston.....	2,171	29,981.29	2,422,716	630	320	3.97	1.678
Almonte.....	2,554	29,784.80	3,084,676	785	327	3.16	0.965
Amherstburg.....	3,807	67,145.64	5,074,468	1,001	422	5.59	1.323
Ancaster Twp.....	7,432	49,820.38	3,860,440	727	443	5.72	1.291
Arnprior.....	4,578	50,708.66	4,243,622	1,227	288	3.44	1.195
†Atikokan.....	3,312	81,535.88	4,857,895	979	414	6.94	1.678
Aurora.....	3,543	62,578.24	5,748,747	1,122	427	4.65	1.089
Aylmer.....	3,724	44,015.91	3,898,980	1,070	303	3.43	1.136
Blenheim.....	2,648	21,432.08	1,411,557	775	152	2.31	1.520
Bowmanville.....	5,873	85,783.10	7,341,597	1,792	341	3.99	1.168
Brighton.....	2,017	30,574.20	2,307,684	653	294	3.90	1.325
Burlington.....	7,181	127,007.99	10,128,072	2,200	384	4.82	1.254
†Burlington Beach.....	3,073	37,881.96	2,931,877	814	300	3.88	1.292
Capreol.....	2,171	34,791.07	2,892,636	612	394	4.73	1.203
Carleton Place.....	4,590	51,297.01	4,587,821	1,336	286	3.20	1.118
Clinton.....	2,625	42,414.04	3,758,834	829	378	4.26	1.128
†Cobalt.....	2,312	28,841.56	1,410,424	590	199	4.07	2.045
Cobourg.....	8,152	119,009.39	9,966,241	2,241	370	4.43	1.197
Cochrane.....	3,525	50,501.79	4,407,917	887	452	5.18	1.146
Collingwood.....	7,558	87,150.00	6,933,476	2,195	263	3.31	1.257
Delhi.....	2,773	32,498.49	2,581,882	902	238	3.00	1.259
Dresden.....	2,032	18,010.92	1,001,304	631	132	2.38	1.798
Dundas.....	7,299	84,552.06	7,261,195	2,301	263	3.06	1.164
Dunnville.....	4,796	39,214.94	2,522,617	1,366	154	2.39	1.550
Elmira.....	2,644	38,779.33	3,399,205	776	365	4.16	1.141
Essex.....	3,075	30,724.91	2,028,290	841	201	3.05	1.515
Exeter.....	2,605	49,514.78	3,671,193	831	368	4.97	1.351
Fergus.....	3,406	54,233.19	4,208,595	1,028	341	4.39	1.288
Georgetown.....	3,779	69,134.24	5,711,656	1,283	371	4.49	1.210
†Geraldton.....	2,835	38,535.30	1,797,625	791	189	4.06	2.144
Goderich.....	5,675	95,951.83	6,541,970	1,766	309	4.53	1.467
Gravenhurst.....	3,012	40,241.41	3,791,296	992	318	3.38	1.061
Grimsby.....	3,188	37,325.12	3,500,853	993	294	3.13	1.066
†Haileybury.....	2,367	35,130.42	2,497,141	626	332	4.68	1.407
Hanover.....	3,985	51,661.74	4,533,458	1,134	333	3.80	1.139
†Hawkesbury.....	7,568	74,287.62	2,683,650	1,514	148	4.09	2.768
Hespeler.....	3,851	47,770.66	3,557,666	1,051	282	3.79	1.343

†Local system.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Population 2,000 to 9,999

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
18,103.69	1,058,571	115	767	13.12	1.710	80,264.53	27	2,277	974
36,778.58	2,089,335	95	1,833	32.26	1.760	80,793.70	32	1,974	1,386
17,149.53	900,090	145	517	9.86	1.905	16,987.99	15	576	757
15,710.44	811,151	139	486	9.42	1.937	15,149.21	28	509	797
11,345.27	651,876	126	431	7.50	1.740	24,295.11	28	849	939
31,666.10	1,892,714	193	817	13.67	1.673	29,014.99	21	748	1,215
9,228.49	377,870	48	656	16.02	2.442	2,078.50	8	74	783
31,131.00	1,747,441	216	674	12.01	1.781	38,571.32	31	1,425	1,474
34,308.31	1,399,428	152	767	18.81	2.452	9,959.36	8	80	1,139
30,150.93	2,148,811	164	1,092	15.32	1.403	40,480.79	29	1,391	1,315
29,820.86	2,083,525	231	751	10.76	1.432	41,611.29	34	1,352	1,335
25,211.45	1,456,367	175	694	12.01	1.731	17,327.75	19	534	969
28,459.31	1,649,671	223	616	10.64	1.725	83,247.65	31	2,731	2,046
14,621.22	768,734	142	451	8.58	1.902	6,253.27	12	240	807
53,395.36	2,873,641	267	897	16.67	1.858	31,682.39	31	796	2,498
13,530.85	692,906	75	770	15.03	1.953	2,670.81	3	51	892
9,213.73	513,625	79	542	9.72	1.793	10,966.75	2	236	693
22,951.52	1,234,016	223	461	8.58	1.860	38,703.71	22	1,395	1,581
20,464.71	1,176,320	176	554	9.63	1.739	17,651.09	27	535	1,032
22,503.42	764,075	130	490	14.43	2.945	7,195.29	12	224	732
51,901.96	3,104,710	304	851	14.23	1.672	85,132.33	61	2,642	2,606
33,468.19	1,909,306	190	914	16.01	1.753	13,280.43	27	36	1,104
43,259.56	2,614,240	319	683	11.30	1.655	71,865.53	66	2,766	2,580
30,825.53	1,573,583	248	529	10.36	1.958	15,215.39	33	510	1,183
19,231.55	988,580	161	512	9.95	1.943	18,153.64	24	614	816
38,295.19	2,447,260	260	784	12.27	1.565	70,530.70	56	2,924	2,617
37,779.71	2,243,330	276	677	11.41	1.684	63,825.57	36	1,975	1,678
25,035.33	1,385,885	148	780	14.09	1.806	59,286.46	29	1,719	953
26,705.32	1,511,815	175	720	12.72	1.766	16,779.83	29	615	1,045
22,394.81	1,193,132	167	595	11.18	1.879	15,173.16	27	573	1,025
19,690.27	1,146,045	132	723	12.42	1.718	35,477.78	19	1,209	1,179
24,926.31	1,397,102	164	710	12.67	1.784	62,947.00	32	1,896	1,479
37,426.60	1,412,901	160	736	19.49	2.649	4,118.02	13	31	964
47,029.41	2,133,005	302	588	12.96	2.205	66,733.46	52	1,933	2,120
26,275.64	2,078,505	178	973	12.30	1.264	31,107.55	23	1,098	1,193
24,152.32	1,656,449	179	771	11.24	1.458	16,989.83	18	569	1,190
19,885.14	933,154	128	608	12.95	2.131	10,047.01	21	590	775
21,112.51	1,238,619	178	580	9.88	1.705	43,641.60	33	1,557	1,345
63,262.24	2,088,333	241	722	21.87	3.029	16,492.57	19	370	1,774
15,539.02	819,254	117	583	11.06	1.897	118,330.66	31	3,488	1,199

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Huntsville.....	3,288	42,147.54	3,891,144	905	358	3.88	1.083
Ingersoll.....	6,607	86,636.78	5,715,378	1,917	248	3.77	1.520
Kapuskasing.....	5,187	30,906.01	1,882,453	1,204	313	5.13	1.642
Kincardine.....	2,680	33,378.07	2,784,232	885	262	3.14	1.195
Kingsville.....	2,670	38,476.65	2,666,338	899	247	3.57	1.445
La Salle.....	2,145	42,496.50	2,361,644	580	339	6.11	1.802
Leamington.....	7,732	81,573.03	5,960,966	2,271	219	2.99	1.365
Lindsay.....	9,843	154,297.33	11,766,018	2,827	347	4.55	1.311
Listowel.....	3,477	54,767.07	4,054,225	1,087	311	4.20	1.351
Long Branch.....	9,140	126,594.68	11,963,762	2,419	412	4.36	1.058
†Mattawa.....	3,057	29,574.65	1,614,162	567	237	4.35	1.832
McGarry.....	2,233	25,345.11	1,443,532	314	383	6.73	1.756
Meaford.....	3,372	39,786.67	3,284,297	1,069	256	3.10	1.211
Merritton.....	5,135	68,212.69	5,628,738	1,353	347	4.20	1.212
Midland.....	7,539	97,541.53	8,413,960	2,076	338	3.92	1.159
Milton.....	2,650	45,988.16	3,432,190	845	338	4.54	1.340
Mount Forest.....	2,219	26,219.33	2,042,453	666	256	3.21	1.284
Napanee.....	3,877	57,300.78	5,133,103	1,177	363	4.06	1.116
†New Liskeard.....	3,991	63,624.46	4,413,077	1,106	333	4.79	1.442
Newmarket.....	5,686	80,779.61	7,627,140	1,623	392	4.15	1.059
New Toronto.....	9,744	136,192.34	12,667,771	2,533	417	4.48	1.075
Niagara.....	2,535	56,298.08	5,077,315	980	432	4.79	1.109
Nipigon Twp.....	2,166	19,463.62	1,577,685	454	289	3.57	1.233
Oakville.....	8,122	110,102.97	8,683,351	2,337	310	3.93	1.268
Orangeville.....	3,489	43,653.31	3,717,230	1,002	309	3.63	1.174
Paris.....	5,396	64,781.97	4,910,470	1,460	280	3.69	1.319
Parry Sound.....	5,264	62,068.34	4,834,795	1,442	279	3.59	1.284
Penetanguishene.....	4,553	35,883.75	3,220,223	1,082	248	2.76	1.114
Perth.....	5,042	59,951.28	5,089,333	1,500	283	3.33	1.178
Petrolia.....	3,293	34,038.37	1,934,492	984	164	2.88	1.759
Pictou.....	4,416	58,917.23	5,989,921	1,404	356	3.50	0.984
Point Edward.....	2,035	24,616.93	1,513,250	588	215	3.49	1.623
Port Credit.....	4,556	83,409.69	7,943,350	1,428	464	4.87	1.050
Port Dalhousie.....	2,762	60,947.52	5,080,579	989	428	5.14	1.199
Port Dover.....	2,487	30,208.68	2,060,492	1,067	161	2.36	1.466
Port Hope.....	6,420	105,875.48	9,369,377	2,082	375	4.24	1.130
Prescott.....	3,930	56,817.23	4,270,371	1,029	346	4.60	1.330
Preston.....	8,519	121,068.32	8,715,175	2,157	337	4.68	1.389
Renfrew.....	7,904	82,104.72	6,887,198	2,032	282	3.37	1.192
Richmond Hill.....	3,310	58,138.80	4,978,471	1,075	386	4.51	1.168

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

POPULATION 2,000 to 9,999

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus-tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus-tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
37,787.77	2,291,635	189	1,010	16.66	1.649	25,913.28	26	849	1,120
46,409.37	2,463,847	256	802	15.11	1.884	103,614.33	46	3,223	2,219
26,587.81	1,143,554	178	1,285	29.87	2.325	2,567.60	26	19	1,408
19,059.54	888,860	157	472	10.12	2.144	23,214.08	22	660	1,064
27,745.39	1,426,333	190	626	12.17	1.944	15,502.48	29	505	1,118
9,594.12	344,081	43	667	18.59	2.787	2,021.29	6	70	629
47,343.37	2,999,443	395	633	9.99	1.578	68,898.67	51	1,868	2,717
78,851.73	4,073,577	450	754	14.60	1.936	98,735.49	83	3,302	3,360
36,896.14	1,843,627	199	772	15.44	2.001	35,123.62	35	1,138	1,321
40,125.00	2,826,731	282	835	11.86	1.419	45,623.64	30	1,582	2,731
32,196.93	1,195,148	113	881	23.74	2.694	9,689.43	6	273	686
8,866.37	697,824	58	1,003	12.74	1.271	1,350.64	1	23	373
22,551.11	1,428,714	185	644	10.16	1.578	25,101.91	30	829	1,284
16,334.48	771,547	96	669	14.18	2.117	464,188.62	21	12,999	1,470
42,932.42	2,704,580	268	841	13.35	1.587	125,569.14	62	5,143	2,406
20,507.55	973,632	136	597	12.57	2.106	67,209.38	21	1,688	1,002
19,785.54	1,107,306	167	553	9.87	1.787	12,927.01	22	425	855
41,906.79	2,369,894	248	796	14.08	1.768	24,572.31	31	949	1,456
37,480.81	2,068,245	222	776	14.07	1.812	34,514.30	33	889	1,361
38,068.02	2,190,527	247	739	12.84	1.738	41,533.20	43	1,397	1,913
77,898.89	5,290,235	347	1,270	18.71	1.473	420,987.09	75	15,806	2,955
16,857.42	1,026,699	115	744	12.22	1.642	4,472.25	13	155	1,108
18,511.89	1,296,750	101	1,069	15.27	1.427	1,760.39	5	64	560
80,440.16	4,185,728	427	817	15.70	1.922	101,026.32	86	3,447	2,850
28,932.61	1,777,660	215	689	11.21	1.628	8,964.57	37	473	1,254
21,658.51	1,469,162	212	577	8.50	1.474	42,600.86	34	1,692	1,706
37,855.41	1,812,909	263	574	11.99	2.088	12,741.85	24	432	1,729
19,869.80	1,319,443	163	675	10.16	1.505	29,263.00	21	1,010	1,266
31,850.81	2,114,915	250	705	10.62	1.506	27,014.04	34	1,154	1,784
24,795.43	1,097,896	165	555	12.52	2.256	29,693.93	55	685	1,204
36,088.86	2,746,566	296	773	10.16	1.314	20,088.85	45	1,005	1,745
8,344.59	326,710	60	454	11.59	2.553	113,547.32	14	2,971	662
33,800.95	2,019,444	173	973	16.28	1.674	34,096.77	27	944	1,628
12,573.51	737,518	95	647	11.03	1.705	13,830.79	12	517	1,096
16,903.16	1,008,291	182	462	7.74	1.676	15,841.93	25	481	1,274
44,032.26	2,621,314	275	794	13.34	1.680	96,919.90	48	2,936	2,405
28,047.98	1,430,459	193	618	12.11	1.961	25,661.08	30	1,112	1,252
43,543.31	2,443,765	257	792	14.11	1.782	170,429.99	72	5,567	2,486
34,315.48	2,255,128	277	678	10.32	1.522	96,516.69	67	3,577	2,376
19,921.22	998,362	134	621	12.39	1.995	8,251.96	29	433	1,238

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year
MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Ridgetown.....	2,342	21,483.97	1,321,388	757	146	2.37	1.623
St. Mary's.....	4,167	73,581.61	5,568,050	1,255	370	4.89	1.321
Seaforth.....	2,121	30,440.84	2,230,145	643	289	3.95	1.365
Simcoe.....	7,348	69,254.42	5,604,970	2,186	214	2.65	1.236
Sioux Lookout.....	2,491	43,753.24	2,804,480	701	333	5.20	1.560
Smith's Falls.....	8,378	110,482.88	10,228,527	2,622	325	3.51	1.080
†South Porcupine Townsite.....	§4,950	57,098.60	3,389,037	1,414	200	3.37	1.685
Stoney Creek.....	2,563	44,883.84	3,519,700	812	361	4.60	1.275
Strathroy.....	3,785	57,004.24	4,935,625	1,237	333	3.84	1.153
Sturgeon Falls.....	5,347	48,080.78	2,449,221	1,155	162	3.47	1.963
Swansea.....	8,344	155,469.75	14,325,271	2,546	469	5.09	1.085
Tecumseh.....	3,733	37,971.69	2,402,191	1,025	195	3.09	1.585
Thorold.....	7,128	76,419.49	6,583,577	1,894	290	3.36	1.161
Tilbury.....	3,081	24,639.17	1,835,240	865	177	2.37	1.339
Tillsonburg.....	5,534	67,801.73	4,616,084	1,709	225	3.31	1.471
Trafalgar Twp.....	8,746	142,245.75	8,233,595	1,645	417	7.21	1.728
Walkerton.....	3,415	42,363.30	3,244,457	998	271	3.54	1.306
Wallaceburg.....	7,437	72,854.82	4,746,310	2,248	176	2.70	1.534
Weston.....	8,374	145,132.16	13,800,161	2,363	487	5.12	1.052
Whitby.....	6,231	91,025.64	7,885,935	1,626	404	4.67	1.154
Wingham.....	2,713	39,797.35	3,317,003	775	357	4.28	1.200

†Local system.

§Estimated.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Population 2,000 to 9,999—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus-tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus-tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
21,179.13	1,027,065	175	489	10.09	2.063	13,662.72	28	465	960
26,096.26	1,236,376	198	520	10.98	2.112	43,102.68	45	1,299	1,498
20,628.19	1,006,175	120	699	14.33	2.050	14,742.23	21	535	784
68,946.19	4,647,402	496	781	11.58	1.483	73,963.95	76	2,507	2,758
23,829.01	855,410	114	625	17.42	2.785	13,780.81	14	295	829
55,685.46	4,091,040	375	909	12.37	1.361	45,951.42	50	1,855	3,047
28,537.77	1,578,690	226	582	10.52	1.808	7,536.81	40	342	1,680
19,438.00	931,819	121	642	13.39	2.086	8,622.47	15	241	948
27,724.17	1,709,594	243	586	9.51	1.623	28,475.40	45	1,016	1,525
37,625.99	1,473,178	207	593	15.15	2.554	6,056.32	16	196	1,378
40,631.79	2,349,032	153	1,279	22.13	1.730	47,488.06	31	1,554	2,730
13,644.41	698,937	95	613	11.97	1.953	10,306.28	9	274	1,129
33,326.21	1,954,880	232	702	11.97	1.704	214,311.32	38	5,068	2,164
20,427.60	1,210,100	170	593	10.01	1.688	35,740.94	25	1,418	1,060
60,126.32	3,243,766	350	772	14.32	1.855	51,240.02	51	1,611	2,110
24,565.32	846,462	103	685	19.87	2.902	23,768.25	21	530	1,769
30,651.85	1,556,472	188	690	13.59	1.969	17,250.58	20	559	1,206
54,155.70	3,133,603	388	673	11.63	1.728	256,075.89	75	8,507	2,711
67,389.95	4,579,491	308	1,239	18.23	1.472	140,880.74	60	4,365	2,731
32,191.57	1,953,206	223	730	12.03	1.648	39,284.22	44	1,342	1,893
23,073.29	1,232,288	167	615	11.51	1.872	26,425.44	29	739	971

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Agincourt.....	1,041	22,359.76	2,052,319	351	487	5.31	1.089
Ailsa Craig.....	533	7,404.44	496,195	169	248	3.70	1.492
*Alfred.....	1,003						
Alvinston.....	675	5,739.02	272,420	254	89	1.88	2.107
Apple Hill.....	464	2,591.02	120,140	90	111	2.40	2.157
Arkona.....	404	7,107.73	401,252	142	236	4.17	1.767
Arthur.....	1,096	13,898.38	875,627	342	213	3.39	1.587
Athens.....	847	8,498.50	468,620	269	145	2.63	1.814
Ayr.....	920	13,513.88	972,940	270	300	4.17	1.389
Baden.....	801	11,513.22	807,830	207	325	4.63	1.425
†Bala.....	**372	18,384.41	801,824	566	118	2.71	2.293
Bancroft.....	1,445	15,503.10	674,792	365	154	3.54	2.297
Barry's Bay.....	1,351	11,758.12	283,285	272	87	3.60	4.510
Bath.....	431	7,243.70	317,123	163	162	3.70	2.284
Beachville.....	661	10,831.67	799,023	223	299	4.05	1.355
Beamsville.....	1,928	32,454.51	3,239,570	581	465	4.65	1.002
†Beardmore.....	1,012	12,378.32	581,638	219	221	4.71	2.128
Beaverton.....	984	15,224.98	1,138,417	375	253	3.38	1.337
Beeton.....	625	8,046.09	460,160	200	192	3.35	1.749
Belle River.....	1,547	18,906.62	896,320	493	152	3.20	2.105
Bloomfield.....	666	6,585.43	533,649	219	203	2.51	1.234
Blyth.....	730	9,024.16	640,593	236	226	3.18	1.409
Bobcaygeon.....	1,125	19,303.55	792,280	462	143	3.48	2.436
Bolton.....	965	13,750.15	1,106,050	276	340	4.15	1.243
Bothwell.....	738	5,909.23	413,030	224	154	2.20	1.430
Bradford.....	1,756	22,094.29	1,640,474	460	297	4.00	1.347
Braeside.....	459	4,049.07	200,657	128	131	2.64	2.018
Brechin.....	270	2,399.22	130,450	64	170	3.12	1.839
Bridgeport.....	1,277	15,940.24	1,317,768	331	318	4.01	1.210
Brigden.....	435	3,690.81	227,990	145	131	2.12	1.618
Bronte.....	1,245	22,555.14	1,269,492	445	238	4.22	1.777
Brussels.....	827	11,403.07	852,530	290	245	3.28	1.337
Burford.....	938	15,441.01	1,258,052	327	321	3.94	1.227
Burgessville.....	219	3,564.44	242,620	71	285	4.18	1.469
Burks Falls.....	866	9,583.19	403,335	236	142	3.38	2.376
Cache Bay.....	790	6,975.90	175,833	181	81	3.21	3.967
Caledonia.....	1,785	17,984.30	1,191,774	560	177	2.67	1.509
Campbellville.....	283	3,865.54	263,160	69	318	4.67	1.469
Cannington.....	961	12,914.49	958,134	317	252	3.39	1.348
Cardinal.....	1,808	21,175.39	1,769,525	493	299	3.58	1.197

*Local system which receives power in bulk and retails it to ultimate customers.

**Excluding summer population.

†Local system.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Less than 2,000 population

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
7,151.07	384,070	50	640	11.92	1.862	9,974.81	10	274	411
3,337.93	125,759	41	256	6.78	2.648	2,664.15	4	90	214
						13,749.42	1	164	1
4,975.66	206,000	61	281	6.80	2.420	2,223.78	7	69	322
1,099.65	49,026	22	186	4.16	2.243	210.55	1	15	113
3,641.94	131,694	39	281	7.78	2.769	1,955.95	3	44	184
8,645.00	368,944	95	324	7.58	2.343	3,972.16	12	152	449
3,791.43	141,827	39	303	8.10	2.673	969.40	2	48	310
6,523.08	278,287	51	455	10.66	2.344	4,718.21	11	158	332
4,115.76	220,080	34	539	10.08	1.870	14,581.05	4	410	245
4,483.13	162,311	68	199	5.49	2.762	634.62	3	55	637
11,842.72	394,385	100	329	9.87	3.003	3,727.92	6	129	471
6,727.17	167,115	58	240	9.66	4.025	707.57	4	11	334
2,482.15	77,574	20	323	10.34	3.200	275.20	1	11	184
1,614.00	73,164	32	191	4.20	2.199	36,843.23	3	947	258
11,429.39	673,478	95	591	10.03	1.697	5,307.83	11	228	687
16,393.56	670,474	73	765	18.71	2.445	159.06	2	11	294
7,286.62	368,345	90	341	6.75	1.978	4,988.64	9	297	474
1,449.63	178,175	42	354	8.77	2.480	2,215.10	7	55	249
11,443.93	484,776	80	505	11.92	2.360	3,440.44	6	85	579
5,154.89	265,910	48	462	8.95	1.939	2,483.76	7	103	274
5,032.98	218,691	64	285	6.56	2.301	8,409.16	7	254	307
10,903.16	334,125	93	299	9.77	3.263	1,033.57	4	23	559
6,454.08	324,550	58	466	9.27	1.989	4,159.11	16	176	350
5,344.03	344,930	65	442	6.85	1.549	3,491.27	9	117	298
18,495.76	809,713	116	582	13.29	2.284	16,784.74	25	516	601
838.92	23,985	13	154	5.38	3.498	6,013.87	3	188	144
2,336.04	81,691	23	296	8.46	2.860	756.01	1	26	88
4,680.51	248,072	30	689	13.01	1.887	2,263.26	6	91	367
3,079.30	140,090	49	238	5.23	2.198	4,110.98	6	132	200
6,474.93	332,526	84	330	6.42	1.947	2,061.22	10	79	539
5,640.57	318,095	78	340	6.03	1.773	4,874.63	9	137	377
5,647.06	306,001	58	440	8.12	1.845	3,772.37	6	139	391
1,330.58	51,209	21	203	5.28	2.601	1,434.58	3	60	95
9,494.48	312,610	67	389	11.81	3.037	2,890.36	4	115	307
2,230.88	48,751	23	177	8.08	4.576	22,854.40	3	519	207
12,816.59	785,201	120	545	8.89	1.632	10,191.79	14	304	694
858.95	37,484	11	284	6.51	2.292	442.95	1	7	81
6,181.49	264,673	77	286	6.69	2.336	4,665.86	11	171	405
6,378.61	357,645	66	452	8.05	1.783	909.87	3	25	562

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Casselman	1,130	10,872.25	367,838	272	113	3.33	2.955
Cayuga	771	7,451.47	427,493	227	157	2.74	1.743
Chatsworth	390	5,590.73	388,770	131	247	3.56	1.438
Chesley	1,677	22,552.00	1,833,660	561	272	3.35	1.229
Chesterville	1,153	10,524.70	998,560	313	266	2.80	1.054
Chippawa	1,834	26,148.96	2,185,630	533	342	4.09	1.196
Clifford	527	8,495.48	545,577	157	290	4.52	1.557
Cobden	835	8,852.36	627,220	255	205	2.89	1.411
Colborne	1,156	17,382.21	1,380,407	385	290	3.76	1.259
Coldwater	629	7,871.67	603,510	196	258	3.36	1.304
Comber	575	4,917.17	258,290	162	133	2.53	1.902
Cookstown	527	6,427.11	412,110	164	209	3.27	1.560
†Cottage Cove Townsite	§475	8,208.31	452,384	135	279	5.07	1.814
Cottam	573	5,712.34	386,520	181	178	2.63	1.478
Courtright	559	4,176.36	232,966	152	128	2.29	1.789
Creemore	747	9,585.74	724,850	259	233	3.08	1.322
Dashwood	406	7,365.53	416,774	132	263	4.65	1.767
Delaware	336	6,256.43	431,730	101	356	5.16	1.449
Deseronto	1,555	21,040.81	1,374,065	518	221	3.38	1.531
Dorchester	687	8,002.40	602,620	220	228	3.03	1.328
Drayton	540	8,291.80	446,868	210	177	3.28	1.855
Drumbo	339	5,565.94	404,262	123	274	3.77	1.377
Dublin	251	3,640.65	259,800	85	255	3.57	1.401
Dundalk	774	8,559.21	619,383	272	190	2.62	1.382
Durham	1,873	22,004.47	1,593,200	566	235	3.24	1.381
Dutton	809	5,984.86	402,937	257	131	1.94	1.481
Eganville	1,408	16,418.41	672,403	382	147	3.58	2.442
†Elk Lake Townsite	§425	4,073.04	235,517	118	166	2.88	1.729
Elmvale	851	11,104.23	810,459	255	265	3.63	1.370
Elmwood	V.A.	2,886.04	180,800	96	157	2.51	1.596
Elora	1,413	21,731.90	1,360,818	425	268	4.28	1.597
Embro	472	8,584.71	660,900	165	334	4.34	1.299
†Englehart	1,589	25,239.15	1,440,124	458	262	4.59	1.753
Erieau	427	9,214.03	601,992	268	187	2.87	1.535
Eric Beach	74	3,099.75	79,091	123	54	2.10	3.889
Erin	693	12,067.85	599,975	281	178	3.58	2.011
Finch	370	4,920.96	366,735	128	239	3.20	1.342
Flesherton	472	5,285.50	389,739	154	211	2.86	1.356
Fonthill	1,621	25,486.63	2,198,828	485	378	4.38	1.159
Forest	1,800	29,118.58	2,357,680	623	315	3.89	1.235

†Local system.

§Estimated.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,772.84	158,201	37	356	13.00	3.649	5,408.56	3	117	312
7,916.58	381,134	78	407	8.45	2.077	4,192.44	9	158	314
4,657.82	229,060	46	415	8.44	2.033	1,023.01	1	31	178
10,416.17	590,180	102	482	8.51	1.765	11,429.31	27	452	690
7,086.42	430,350	77	466	7.67	1.647	15,086.20	6	505	396
6,604.95	341,020	58	490	9.49	1.937	1,245.05	3	31	594
4,707.10	222,004	42	440	9.33	2.120	1,627.28	6	43	205
6,098.24	253,830	72	294	7.06	2.402	4,298.13	8	172	335
8,699.87	369,958	85	363	8.53	2.352	2,318.76	6	69	476
4,117.49	208,252	42	404	7.98	1.977	2,650.22	4	94	242
4,631.38	209,672	59	296	6.54	2.209	6,039.64	9	164	230
3,425.88	111,989	38	246	7.51	3.059	1,798.19	3	66	205
3,744.54	186,400	19	818	16.42	2.009				154
2,712.42	126,705	37	285	6.11	2.144	1,388.27	7	60	225
2,386.94	92,548	29	266	6.86	2.579	642.24	1	9	182
3,971.29	180,500	54	279	6.13	1.095	1,334.77	3	62	316
2,993.99	102,973	32	268	7.80	2.910	1,672.17	3	66	167
2,534.75	101,060	17	495	12.43	2.511				118
7,833.54	313,487	56	466	11.66	2.499	12,396.20	17	356	591
2,099.48	99,487	39	213	4.49	2.110	2,345.92	3	82	262
4,200.08	139,805	57	204	6.13	3.004	1,846.78	4	69	271
2,490.67	108,676	34	266	6.10	2.292	1,332.17	2	49	159
1,944.30	102,386	35	244	4.63	1.899	1,941.86	2	64	122
6,106.89	262,630	85	257	5.99	2.325	4,333.05	9	196	366
16,980.33	862,483	130	553	10.88	1.969	9,163.03	20	282	716
4,514.21	258,491	64	337	5.88	1.746	4,679.48	11	144	332
11,558.13	366,740	89	343	10.82	3.152	4,489.60	9	105	480
3,570.45	182,332	36	422	8.26	1.958	227.30	4	13	158
7,075.58	383,323	76	420	7.76	1.846	5,227.15	10	165	341
1,715.07	73,943	23	268	6.21	2.319	3,658.74	3	103	122
9,095.37	391,785	75	435	10.10	2.321	12,279.79	7	348	507
2,295.60	113,629	40	237	4.78	2.017	3,658.29	5	88	210
13,654.52	570,194	92	516	12.37	2.395	11,254.77	6	193	556
4,585.64	249,520	25	832	15.29	1.838	5,462.76	4	114	297
195.72	3,720	4	78	4.08	5.231				127
6,742.46	221,475	56	330	10.03	3.044	688.33	2	14	339
2,902.06	114,790	35	273	6.91	2.528	2,112.57	6	54	169
4,921.90	232,913	56	347	7.32	2.113	567.54	2	17	212
5,895.76	318,285	59	449	8.33	1.852	3,317.10	8	107	552
15,966.23	782,789	135	483	9.86	2.041	9,354.96	20	326	778

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Frankford.....	1,425	18,257.31	998,420	387	215	3.93	1.829
Glencoe.....	945	7,673.25	447,201	308	121	2.08	1.719
Grand Valley.....	632	9,511.46	626,460	242	216	3.28	1.518
Granton.....	266	4,366.48	249,898	90	231	4.04	1.749
Hagersville.....	1,790	17,074.70	1,136,430	524	181	2.72	1.502
Harriston.....	1,575	24,473.35	1,695,522	474	298	4.30	1.443
Harrow.....	1,762	32,043.98	2,176,683	498	364	5.36	1.473
Hastings.....	870	9,370.62	557,226	343	135	2.28	1.682
Havelock.....	1,252	13,364.06	697,850	347	168	3.21	1.915
Hearst.....	1,954	30,743.64	777,073	483	134	5.30	3.955
Hensall.....	759	11,492.19	911,360	250	304	3.83	1.260
†Hepworth.....	356	3,220.31	145,720	89	136	3.02	2.210
Highgate.....	376	2,949.61	165,670	120	115	2.05	1.783
Holstein.....	174	2,420.11	176,170	74	198	2.73	1.373
†Hudson Townsite.....	380	6,243.40	244,806	146	140	3.56	2.550
Iroquois.....	1,078	17,690.62	1,258,544	365	287	4.04	1.406
Jarvis.....	633	5,021.62	331,490	192	144	2.18	1.515
†Jellicoe Townsite.....	\$125	1,881.28	30,580	36	71	4.35	6.152
†Kearns Townsite.....	\$450	6,066.93	352,601	129	228	3.92	1.721
Kemptville.....	1,566	22,504.28	1,856,056	510	303	3.68	1.212
†King Kirkland Townsite.....	\$350	3,279.44	167,080	95	147	2.88	1.963
Kirkfield.....	232	2,572.46	111,980	72	130	2.93	2.297
Lakefield.....	1,837	20,593.51	1,768,049	518	284	3.31	1.165
Lambeth.....	1,307	26,726.90	1,932,767	409	394	5.45	1.383
Lanark.....	814	6,643.25	438,213	236	155	2.35	1.516
Lancaster.....	577	4,899.84	339,136	149	190	2.74	1.444
Larder Lake Twp.....	1,827	23,534.23	1,139,913	433	219	4.53	2.065
Latchford.....	543	4,027.35	111,343	119	78	2.82	3.617
L'Orignal.....	1,044	6,243.42	188,933	248	127	4.20	3.304
*†L'Orignal.....	1,044	6,836.07	187,383	.....	.....	.....	3.648
Lucan.....	896	14,813.38	1,049,532	260	336	4.75	1.414
Lucknow.....	911	11,686.92	930,005	365	210	2.67	1.271
Lynden.....	435	7,069.37	539,229	136	330	4.33	1.311
Madoc.....	1,422	16,371.43	1,112,390	409	227	3.34	1.472
Magnetawan.....	225	3,120.60	69,050	61	94	4.26	4.519
Markdale.....	872	8,614.12	796,449	274	242	2.62	1.082
Markham.....	1,913	29,326.48	2,388,490	587	339	4.16	1.228
Marmora.....	1,231	12,618.28	799,290	346	193	3.04	1.579
Martintown.....	125	2,639.02	195,890	79	207	2.78	1.347
†Massey.....	953	10,097.47	265,086	203	106	4.05	3.809
†Matachewan Twp.....	1,297	13,315.76	835,128	305	228	3.64	1.594

†Local system.

§Estimated.

*Supplied part of year only. Now cost municipality.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
7,219.28	273,069	77	296	7.81	2.644	1,256.10	5	60	469
10,647.57	544,916	92	494	9.65	1.953	2,849.25	11	149	411
3,966.95	177,450	57	259	5.80	2.236	4,668.92	11	185	310
1,153.37	31,329	26	100	3.70	3.700	174.22	1	7	117
15,756.14	862,444	144	499	9.12	1.827	39,272.80	23	1,920	691
13,058.43	567,577	111	426	9.80	2.301	18,856.60	16	537	601
19,288.40	823,989	109	630	14.75	2.341	9,276.13	8	310	615
6,249.46	241,850	66	305	7.89	2.584	425.62	3	14	412
7,242.02	264,140	65	339	9.28	2.742	1,928.45	2	48	414
39,687.22	880,631	130	565	25.44	4.503	4,181.38	10	74	623
6,881.70	318,610	61	435	9.40	2.161	11,242.01	20	438	331
3,455.77	123,800	26	397	11.08	2.791	.....	.....	.....	115
1,779.80	77,450	30	215	4.94	2.298	3,758.42	7	111	157
633.97	31,150	17	148	3.12	2.035	731.78	1	13	92
4,851.82	160,321	28	477	14.44	3.026	236.20	1	6	175
6,688.49	392,424	67	488	8.32	1.704	2,884.60	9	82	441
4,393.84	246,572	52	395	7.04	1.782	4,864.02	7	141	251
1,349.85	35,977	5	600	22.50	3.752	.....	.....	.....	41
2,953.07	128,048	19	562	12.95	2.306	584.18	1	20	149
10,816.35	622,534	97	535	9.29	1.737	19,456.67	13	600	620
1,367.89	53,359	9	494	12.67	2.564	.....	.....	.....	104
1,898.44	48,945	27	151	5.86	3.879	.....	.....	.....	99
14,748.76	902,848	103	730	11.93	1.634	18,573.15	11	544	632
2,991.57	137,949	37	311	6.74	2.167	1,891.75	3	40	449
4,217.45	220,241	49	374	7.17	1.915	1,229.02	1	29	286
3,050.39	154,213	31	414	8.20	1.978	.....	.....	.....	180
7,466.51	537,736	70	640	8.89	1.389	1,277.91	4	27	507
3,906.16	104,892	29	301	11.22	3.724	940.90	2	26	150
2,523.63	68,202	21	541	20.03	3.700	892.38	2	59	271
2,749.96	87,994	.....	.....	.....	3.125	1,129.83	.....	52	.....
7,978.72	364,131	62	489	10.72	2.192	2,625.85	6	84	328
6,655.70	326,619	107	254	5.23	2.053	11,014.93	12	284	484
1,315.07	55,902	14	333	7.83	2.352	2,251.13	3	91	153
13,104.56	669,708	118	473	9.25	1.957	8,099.51	9	278	536
2,660.73	60,660	21	241	10.56	4.386	43.26	1	1	83
7,447.75	463,854	84	460	7.39	1.606	2,140.47	7	87	365
10,469.77	589,320	90	546	9.69	1.777	5,520.20	12	225	689
9,616.76	456,200	67	567	11.96	2.108	1,625.22	3	48	416
1,684.60	62,704	24	218	5.85	2.686	.....	.....	.....	103
6,869.58	192,581	53	303	10.80	3.567	328.35	4	6	265
5,693.84	223,522	58	321	8.18	2.547	63.25	1	2	364

CUSTOMERS, REVENUE for Domestic, Commercial light, and during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
†Matheson	704	13,539.18	869,762	204	355	5.53	1.557
Maxville	734	7,215.63	532,570	216	205	2.78	1.355
Merlin	543	4,890.56	304,625	165	154	2.47	1.604
Merrickville	988	9,381.46	567,860	275	172	2.84	1.652
Mildmay	815	9,036.66	747,350	239	261	3.15	1.209
Millbrook	746	10,884.57	688,863	240	239	3.78	1.580
Milverton	1,074	16,991.52	1,080,966	334	270	4.24	1.572
Mitchell	1,996	37,770.42	2,636,430	656	335	4.80	1.433
Moorefield	293	3,214.91	215,450	82	219	3.27	1.492
Morrisburg	1,874	22,319.34	1,798,630	538	278	3.46	1.241
Mount Brydges	695	7,658.96	509,574	232	183	2.75	1.503
Neustadt	458	4,441.40	282,803	153	154	2.42	1.570
Newboro	302	3,954.82	137,982	92	125	3.58	2.866
Newburgh	491	6,062.13	329,141	141	195	3.58	1.842
Newbury	288	3,301.35	180,635	101	149	2.72	1.826
Newcastle	1,025	12,973.95	1,089,285	313	290	3.45	1.191
New Hamburg	1,822	27,600.73	2,083,200	498	349	4.62	1.325
Norwich	1,415	26,440.34	1,985,685	489	338	4.51	1.334
Norwood	1,026	12,074.60	861,278	296	242	3.40	1.402
Oil Springs	494	4,342.35	278,435	139	167	2.60	1.557
Omeme	773	8,785.00	608,824	235	216	3.12	1.443
Orono	594	12,155.32	746,580	254	245	3.99	1.628
Otterville	601	8,399.94	669,920	205	272	3.42	1.257
Paisley	746	9,624.62	635,840	270	196	2.97	1.514
Palmerston	1,618	22,034.59	1,993,665	493	337	3.72	1.105
Parkhill	1,008	17,406.42	1,207,750	360	280	4.03	1.439
†Pickle Lake Landing Townsite	§75	1,201.62	30,094	19	132	5.27	3.993
Plattsville	454	7,083.10	478,796	146	273	4.04	1.479
†Port Carling	**471	18,894.26	886,507	363	204	4.34	2.131
Port Elgin	1,627	31,926.65	2,082,765	715	243	3.72	1.533
Port McNicoll	901	10,770.48	633,330	392	135	2.29	1.701
Port Perry	1,961	28,777.97	1,877,352	576	272	4.16	1.533
Port Rowan	738	6,354.09	329,670	277	99	1.91	1.927
Port Stanley	1,427	30,793.62	2,443,222	1,011	201	2.54	1.260
†Powassan	887	11,176.78	735,519	226	271	4.12	1.520
Priceville	151	1,872.03	66,740	55	100	2.84	2.805
Princeton	360	5,474.34	431,205	121	297	3.77	1.269
Queenston	401	7,633.77	790,548	122	540	5.21	0.966
†Red Lake Townsite	\$1,500	24,267.12	1,356,547	430	263	4.70	1.789
Red Rock	1,868	14,386.96	1,196,870	243	410	4.93	1.202

**Excluding summer population.

†Local system.

§Estimated.

AND CONSUMPTION

Power service in Municipalities

1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,937.14	304,752	50	508	9.90	1.948	2,141.09	7	58	261
5,337.18	226,270	54	349	8.24	2.359	2,149.80	2	69	272
4,738.59	238,931	58	343	6.81	1.985	2,328.80	4	142	227
4,816.51	250,088	52	401	7.72	1.926	4,897.27	9	217	336
5,611.55	262,700	64	342	7.31	2.136	1,747.33	7	42	310
5,793.62	176,790	61	242	7.91	3.277	757.07	2	13	303
10,280.81	392,876	85	385	10.08	2.617	12,206.81	15	400	434
17,481.01	809,491	136	496	10.71	2.159	18,423.45	27	537	819
2,341.16	106,200	27	328	7.23	2.204	1,475.28	2	51	111
14,476.79	826,900	142	485	8.49	1.751	9,045.30	31	322	711
2,749.55	150,604	51	246	4.49	1.825	2,434.38	4	84	287
2,550.58	123,420	36	286	5.90	2.066	4,736.78	3	111	192
1,410.62	36,760	18	170	6.53	3.837				110
3,034.57	109,860	24	381	10.54	2.762	1,545.62	3	43	168
1,149.60	46,492	23	169	4.17	2.468	209.72	1	11	125
6,714.98	407,501	50	679	11.19	1.648	10,382.95	11	304	374
13,923.76	677,603	118	478	9.82	2.055	16,532.72	19	511	635
12,454.77	553,063	106	435	9.79	2.251	4,574.90	11	150	606
7,396.69	304,490	73	348	8.44	2.429	4,190.07	5	152	374
2,367.87	88,482	38	194	5.19	2.675	6,183.94	32	122	209
3,570.44	142,025	39	303	7.63	2.514	1,700.08	6	45	280
3,676.98	129,262	43	251	7.13	2.845	581.37	3	20	300
3,464.96	172,530	53	271	5.45	2.011	1,376.48	9	53	267
5,193.91	210,655	63	279	6.87	2.465	2,670.32	6	68	339
11,572.70	638,800	105	507	9.19	1.812	11,719.00	23	566	621
10,146.73	436,010	92	395	9.19	2.327	6,390.49	12	162	464
1,129.11	18,952	13	121	7.24	5.958				32
4,290.05	188,593	29	542	12.33	2.274	5,681.93	1	226	176
7,388.82	225,131	53	354	11.62	3.282	3,398.51	5	94	421
16,989.84	767,761	151	424	9.32	2.213	6,607.12	11	233	877
1,955.94	79,753	32	208	5.09	2.452	41,518.82	2	1,197	426
13,626.22	627,565	115	455	9.87	2.171	3,963.31	11	124	702
5,998.45	292,149	78	312	6.40	2.053	1,339.10	5	47	360
11,965.45	722,771	118	510	8.45	1.657	13,058.50	17	577	1,146
8,494.37	347,218	52	556	13.61	2.446	500.14	2	25	280
1,005.17	34,745	12	289	6.98	2.890				67
1,597.13	75,800	30	211	4.45	2.107	1,635.93	4	60	155
4,849.98	297,669	18	1,378	22.45	1.629				140
28,893.28	1,356,571	129	876	18.66	2.130	8,186.31	8	146	567
9,330.41	585,280	24	2,032	32.40	1.594	662.78	2	15	269

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Richmond.....	634	8,684.34	587,325	185	265	3.91	1.479
Ripley.....	465	7,359.85	450,864	153	246	4.01	1.632
Rockwood.....	707	11,810.99	776,240	228	284	4.32	1.521
Rodney.....	974	8,432.53	597,237	327	152	2.15	1.415
Rosseau.....	232	2,888.47	93,570	90	87	2.67	3.087
Russell.....	503	6,820.85	372,600	159	195	3.57	1.831
St. Clair Beach.....	612	10,558.30	704,945	201	292	4.38	1.500
St. George.....	647	6,346.13	526,833	200	220	2.65	1.204
St. Jacobs.....	725	9,784.98	792,790	176	375	4.63	1.234
Schreiber Twp.....	1,920	22,662.20	1,527,288	446	2,853	4.23	1.483
Shelburne.....	1,225	17,337.57	1,157,710	409	236	3.53	1.498
Smithville.....	725	7,980.59	592,650	250	197	2.66	1.346
Southampton.....	1,754	25,145.70	1,808,721	825	183	2.54	1.390
Springfield.....	505	5,086.67	337,440	137	205	3.09	1.507
Stayner.....	1,272	17,699.89	1,380,314	420	274	3.51	1.282
Stirling.....	1,175	19,000.28	1,523,707	377	337	4.20	1.247
Stouffville.....	1,893	26,719.52	2,396,614	606	330	3.67	1.115
Streetsville.....	1,409	25,090.89	1,775,631	403	367	5.19	1.413
Sunderland.....	563	7,799.27	537,555	191	235	3.40	1.451
Sundridge.....	676	8,526.17	236,866	199	99	3.57	3.600
Sutton.....	1,041	19,623.09	1,423,711	638	186	2.56	1.378
Tara.....	476	6,977.30	453,780	185	204	3.14	1.537
Tavistock.....	1,124	19,540.94	1,535,790	349	367	4.67	1.272
Teeswater.....	858	9,869.58	720,185	268	224	3.07	1.370
Terrace Bay.....	1,596	30,533.31	2,878,920	331	724	7.68	1.060
Thamesford.....	568	12,623.76	798,415	193	345	5.45	1.580
Thamesville.....	1,011	11,716.17	608,248	310	164	3.15	1.921
Thedford.....	654	8,003.87	523,540	212	206	3.15	1.529
Thornbury.....	1,055	15,471.53	884,930	369	200	3.49	1.748
Thornedale.....	315	5,998.46	366,242	98	311	5.10	1.640
†Thornloe.....	183	1,631.67	86,611	27	267	5.04	1.884
Thornton.....	196	2,754.70	412,800	78	153	2.94	1.929
Tottenham.....	622	8,166.25	596,590	200	249	3.40	1.369
Tweed.....	1,561	18,854.81	1,359,998	450	252	3.49	1.386
Uxbridge.....	1,971	26,638.34	2,052,008	602	284	3.69	1.298
Vankleek Hill.....	1,480	8,692.90	353,340	397	127	3.13	2.460
†*Vankleek Hill.....	1,480	9,572.15	289,718				3.304
Victoria Harbour.....	987	9,109.34	516,590	351	123	2.16	1.763
Wardsville.....	306	3,633.16	265,815	97	228	3.12	1.368
Warkworth.....	504	6,331.50	404,280	173	195	3.05	1.566
†Wasaga Beach.....	**434	21,820.05	614,918	708	72	2.57	3.548

*Supplied part of year only. Now cost municipality.

**Excluding summer population.

†Local system.

AND CONSUMPTION

Power service in Municipalities
1953—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
3,598.76	165,626	21	657	14.28	2.173	2,118.79	2	58	208
4,188.38	105,266	53	166	6.59	3.979	2,512.69	3	67	209
4,319.84	195,760	43	379	8.36	2.207	73.84	2	2	273
5,252.17	269,767	75	300	5.84	1.947	5,303.72	9	194	411
2,231.63	71,873	19	315	9.79	3.105				109
3,314.84	113,844	33	287	8.37	2.912	419.90	2	10	194
3,390.41	140,310	17	688	16.62	2.416	989.89	3	23	221
4,292.42	275,919	47	479	7.45	1.556	4,510.22	5	145	252
4,266.31	212,216	38	465	9.35	2.010	5,496.34	8	192	222
9,864.79	552,323	49	939.2	16.79	1.786	5,870.35	2	128	497
10,936.38	570,520	100	475	9.11	1.917	5,563.00	13	221	522
5,715.86	294,803	77	319	6.19	1.939	11,518.05	10	396	337
11,850.42	535,043	98	455	10.08	2.215	14,875.06	14	426	937
1,826.76	78,230	33	198	4.61	2.328	925.83	4	35	174
9,009.75	481,550	102	393	7.36	1.871	4,591.21	19	201	541
9,606.78	486,703	91	446	8.80	1.974	3,879.90	15	175	483
13,159.60	799,321	112	595	9.79	1.646	9,220.51	10	357	728
8,175.45	400,813	68	491	10.02	2.040	26,780.74	18	770	489
4,123.73	178,770	45	331	7.64	2.307	3,162.87	3	88	239
7,960.86	174,770	56	260	11.85	4.555	608.65	2	17	257
15,148.54	813,361	134	506	9.42	1.862	3,986.48	9	106	781
3,821.43	164,245	52	263	6.12	2.327	1,817.59	6	52	243
9,288.27	438,777	109	335	7.09	2.117	12,337.98	10	352	468
5,076.45	236,247	64	308	6.61	2.149	6,780.20	11	211	343
15,104.26	777,890	37	1,752	34.02	1.941	6,470.00	1	124	369
5,679.78	236,656	51	387	9.28	2.400	3,609.88	5	98	249
10,530.02	494,472	100	412	8.78	2.131	12,194.14	14	358	424
5,770.80	281,388	66	355	7.29	2.054	3,001.77	5	74	283
8,225.64	332,440	87	318	7.88	2.474	6,523.35	16	285	472
1,817.80	60,740	25	203	6.06	2.990	2,635.75	3	71	126
1,393.62	58,180	15	323	7.74	2.395				42
903.29	35,846	13	230	5.79	2.520	105.14	1	4	92
3,686.82	163,550	55	248	5.59	2.254	1,900.57	7	56	262
11,869.33	478,071	101	394	9.79	2.483	13,001.32	17	360	568
11,207.48	508,015	130	326	7.18	2.206	11,642.41	20	428	752
4,228.69	131,923	66	285	9.15	3.205	984.47	5	63	468
5,541.76	151,182				3.666	1,051.65		79	
2,399.90	120,440	35	287	5.71	1.993	323.73	2	8	388
2,624.20	154,847	25	516	8.75	1.696	61.57	1	2	123
2,861.86	89,935	50	150	4.77	3.182	917.14	2	19	225
32,793.12	919,554	241	318	11.34	3.566	795.92	3	23	952

CUSTOMERS, REVENUE
for Domestic, Commercial light, and
during the Year

MUNICIPALITIES

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Waterdown.....	1,556	25,885.00	2,049,020	422	405	5.12	1.263
Waterford.....	1,755	20,051.73	1,443,532	565	213	2.96	1.389
Watford.....	1,200	17,893.91	1,315,506	383	286	3.89	1.360
Waubashene.....	V.A.	8,581.74	458,060	328	116	2.18	1.873
†Webbwood.....	475	4,570.20	118,632	101	98	3.77	3.852
Wellesley.....	644	8,354.19	576,150	190	253	3.67	1.450
Wellington.....	1,011	11,466.89	927,460	405	191	2.36	1.236
West Lorne.....	1,050	10,433.27	746,750	310	201	2.80	1.393
Westport.....	684	7,618.36	511,820	204	209	3.11	1.488
Wheatley.....	1,055	10,585.97	748,640	323	193	2.73	1.415
Warton.....	1,883	19,332.95	1,625,887	570	238	2.83	1.189
Williamsburg.....	288	2,864.31	304,710	97	262	2.46	0.940
Winchester.....	1,232	14,187.51	1,224,675	384	266	3.08	1.158
Windermere.....	129	4,174.39	163,370	93	146	3.74	2.555
Woodbridge.....	1,909	27,059.55	2,329,113	509	381	4.43	1.162
Woodville.....	420	4,778.71	314,039	137	191	2.91	1.522
Wyoming.....	784	6,683.02	385,570	232	138	2.40	1.739
Zurich.....	607	9,474.88	586,940	212	231	3.72	1.611

†Local system.

AND CONSUMPTION

Power service in Municipalities

1953—(Concluded)

Less than 2,000 population—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
6,467.90	304,220	58	437	9.29	2.126	3,008.10	13	119	493
8,617.84	529,444	89	496	8.07	1.628	7,526.99	10	300	664
10,451.67	515,162	91	472	9.57	2.028	10,928.31	11	338	485
2,737.34	125,840	37	283	6.17	2.175	296.66	2	8	367
3,622.70	123,476	22	468	13.72	2.934	332.33	2	7	125
3,904.68	211,346	56	314	5.80	1.847	2,223.87	7	78	253
5,503.43	285,252	75	317	6.11	1.929	5,394.85	13	229	493
9,429.81	461,188	81	474	9.70	2.046	22,157.24	12	616	403
6,557.50	306,290	61	418	8.96	2.141	.....	.....	.....	265
11,751.08	639,610	91	586	10.76	1.836	9,627.29	15	356	429
16,790.75	901,556	129	582	10.85	1.864	14,957.49	23	385	722
2,754.51	190,720	39	407	5.89	1.444	866.58	2	35	138
9,546.53	630,952	89	591	8.94	1.513	7,694.43	6	266	479
3,220.31	120,556	14	718	19.17	2.671	1,177.66	2	37	109
12,171.12	553,964	84	550	12.07	2.197	40,671.90	16	1,530	609
2,160.96	79,507	35	189	5.15	2.718	776.05	2	30	174
4,112.24	192,984	47	342	7.29	2.132	5,788.60	5	147	284
5,916.97	206,860	54	319	9.13	2.862	730.54	2	20	268

APPENDIX I—OPERATIONS

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to the tables which relate to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements, and the dependable capacity of resources generated and purchased, at the time of December primary peak requirements.

The dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power are given in a separate table on pages 274-5. The dependable peak capacity of a source of generation is defined as the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Following the table of generating station capacities is a tabulation of the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. It gives the peak load in December rather than the average of the monthly peak loads which is shown in the Cost of Power Statement. In addition, it gives the date of first delivery of power by the Commission, the frequency at which the municipality was supplied in December 1953, and the total energy supplied to each municipality during the year.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the kilowatt figures to horsepower, it may be assumed that one horsepower is equivalent to 0.746 kilowatts.

Southern Ontario System

	1952	1953	Increase or decrease
Demands	kw	kw	kw
Primary load carried	2,765,086	2,880,280	115,194
Primary load cut	900	59,700	58,800
Primary peak requirements	2,765,986	2,939,980	173,994
Resources			
Commission hydro-electric generation	1,659,150	1,671,150	12,000
Commission fuel-electric generation	444,000	652,000	208,000
Power purchased	687,100	681,100	6,000
Dependable peak capacity	2,790,250	3,004,250	214,000

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Sources of Energy

	1952		1953	Increase or decrease
	kwh		kwh	per cent
SOUTHERN ONTARIO SYSTEM				
Generated (net)				
hydro-electric	11,039,635,669		10,740,830,421	
fuel-electric	413,765,900		1,758,952,000	
Total generated	11,453,401,569		12,499,782,421	9.1
Purchased	4,689,509,003		4,609,120,488	1.7
Transferred * in or out	105,799,500		26,540,000	
Primary	15,453,074,572		16,443,001,709	6.4
Secondary	795,635,500		639,361,200	19.6
Total	16,248,710,072	16,248,710,072	17,082,362,909	5.1
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
Generated (net)				
hydro-electric	2,047,593,090		1,956,982,420	
fuel-electric	17,540		15,050	
Total generated	2,047,610,630		1,956,997,470	4.4
Purchased	8,080,220		33,649,135	287.7
Transferred * in or out	105,799,500		26,540,000	
Primary	1,830,487,160		1,936,647,345	5.8
Secondary	120,004,190		80,539,260	32.9
Total	1,950,491,350	1,950,491,350	2,017,186,605	3.4
NORTHWESTERN DIVISION				
Generated (net)				
hydro-electric	1,770,691,780		1,805,981,050	2.0
Purchased	4,534,800		6,914,800	52.5
Primary	1,491,041,854		1,571,667,810	5.4
Secondary	284,184,726		241,228,040	15.1
Total	1,775,226,580	1,775,226,580	1,812,895,850	2.1
ALL SYSTEMS				
Generated (net)				
hydro-electric	14,857,920,539		14,503,793,891	2.4
fuel-electric	413,783,440		1,758,967,050	325.0
Total generated	15,271,703,979		16,262,760,941	6.5
Purchased	4,702,724,023		4,649,684,423	1.2
Primary	18,774,603,586		19,951,316,864	6.3
Secondary	1,199,824,416		961,128,500	19.9
Total	19,974,428,002	19,974,428,002	20,912,445,364	4.7

*Net interchange between Southern Ontario System and Northeastern Division of Northern Ontario Properties

AND RESOURCES

Northern Ontario Properties

NORTHEASTERN DIVISION

NORTHWESTERN DIVISION

		Increase or decrease			Increase or decrease
1952	1953		1952	1953	
kw	kw	kw	kw	kw	kw
283,958	307,750	23,792	228,352	239,956	11,604
...
283,958	307,750	23,792	228,352	239,956	11,604
301,600	297,700	3,900	259,800	261,100	1,300
300	500	200	...	...	...
...	...	...	1,400	1,800	400
301,900	298,200	3,700	261,200	262,900	1,700

at the time of December primary peak requirements.

ACCOUNT

Disposal of Energy in Wholesale Quantities

	1952	1953	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Primary—Municipal electrical utilities.....	8,352,545,042	9,174,994,735	9.8
—Local systems.....	21,307,774	30,995,112	45.5
—Rural power district.....	1,169,903,858	1,321,801,628	13.0
—Direct industrial customers.....	4,260,305,014	4,261,764,361	0.0
Total primary.....	13,804,061,688	14,789,555,836	7.1
Secondary—Direct industrial customers.....	763,157,300	617,283,200	19.1
Total primary and secondary.....	14,567,218,988	15,406,839,036	5.8
Losses and unaccounted for.....	1,681,491,084	1,675,523,873	0.4
Total.....	16,248,710,072	17,082,362,909	5.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	147,530,040	172,465,332	16.9
—Local systems.....	90,908,490	99,160,682	9.1
—Rural power district.....	66,094,564	83,999,655	27.1
—Direct industrial customers.....	1,267,277,751	1,282,869,640	1.2
Total primary.....	1,571,810,845	1,638,495,309	4.2
Secondary—Direct industrial customers.....	108,126,575	71,273,496	34.1
Total primary and secondary.....	1,679,937,420	1,709,768,805	1.8
Losses and unaccounted for.....	270,553,930	307,417,800	13.6
Total.....	1,950,491,350	2,017,186,605	3.4
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	326,018,001	331,943,791	1.8
—Local systems.....	13,991,720	16,847,460	20.4
—Rural power district.....	19,791,741	24,719,681	24.9
—Direct industrial customers.....	1,021,199,694	1,063,552,130	4.1
Total primary.....	1,381,001,156	1,437,063,062	4.1
Secondary—Direct industrial customers.....	259,538,386	220,319,217	15.2
Total primary and secondary.....	1,640,539,542	1,657,382,279	1.0
Losses and unaccounted for.....	134,687,038	155,513,571	15.5
Total.....	1,775,226,580	1,812,895,850	2.1
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	8,826,093,083	9,679,403,858	9.7
—Local systems.....	126,207,984	147,003,254	16.5
—Rural power district.....	1,255,790,163	1,430,520,964	13.9
—Direct industrial customers.....	6,548,782,459	6,608,186,131	0.9
Total primary.....	16,756,873,689	17,865,114,207	6.6
Secondary—Direct industrial customers.....	1,130,822,261	908,875,913	19.6
Total primary and secondary.....	17,887,695,950	18,773,990,120	5.0
Losses and unaccounted for.....	2,086,732,052	2,138,455,244	2.5
Total.....	19,974,428,002	20,912,445,364	4.7

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1953, AND TOTAL ENERGY OUTPUT
DURING 1953**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
SOUTHERN ONTARIO SYSTEM				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Niagara	*Sir Adam Beck-Niagara No. 1	317,000	342,500	2,675,675,000
	*Ontario Power	135,000	139,000	1,171,302,900
	*Toronto Power	108,000	108,000	898,025,600
Welland Canal	*DeCew Falls	122,000	122,000	854,780,000
	DeCew Falls	28,000	34,500	239,708,400
Muskoka	Ragged Rapids	7,500	7,950	35,782,050
	Big Eddy	7,100	7,950	33,164,700
	Bala No. 1 and 2	350	380	2,309,200
South Muskoka	South Falls	4,200	4,200	21,521,130
	Trethewey Falls	1,600	1,600	9,652,800
	Hanna Chute	1,200	1,300	7,502,700
Beaver	Eugenia	5,400	5,200	20,740,600
Severn	Big Chute	4,300	4,380	27,658,400
	Wasdell Falls	750	750	3,537,782
Saugeen	Walkerton	350	340	2,344,400
	Hanover	250	300	1,555,824
Magnetawan	Burks Falls	250	130	258,200
Trent	Heely Falls	11,150	12,075	69,927,420
	Ranney Falls	8,350	8,710	54,242,180
	Meyersburg	5,100	5,740	36,185,050
	Sidney	3,350	3,625	20,732,100
	Hagues Reach	3,250	3,700	20,277,120
	Seymour	2,950	3,125	19,404,000
	Frankford	2,550	2,800	16,550,400
	Sills Island	1,550	885	8,320,500
Otonabee	Auburn	1,750	1,945	12,003,760
	Lakefield	1,650	1,695	8,727,340
	Fenelon Falls	700	700	5,096,435
Ottawa	Des Joachims	380,000	375,000	1,954,029,700
	Otto Holden	210,000	200,000	1,076,766,700
	Chenau	120,000	115,000	611,319,000
	*Chats Falls (Ontario half)	62,000	75,000	380,040,150
Madawaska	Stewartville	63,000	62,500	207,439,800
	Barrett Chute	42,000	39,500	188,225,000
	Calabogie	4,400	4,530	23,953,410
Mississippi	High Falls	2,450	2,900	15,175,200
	Galetta	800	890	2,876,080
Rideau	Merrickville	900	830	4,019,390
Location	Fuel-Electric Generating Stations			
Windsor	J. Clark Keith (steam)	244,000	250,000	712,863,400
Hamilton	Hamilton Beach (steam)	10,000	12,200	449,100
	*Steel Company of Canada (steam)		2,600	10,743,700
	Westinghouse (diesel)	2,000	0	0
Thorold	Ontario Paper (steam)	15,000	16,400	4,882,700
Toronto	*Richard L. Hearn (steam)	88,000	92,000	241,940,000
	Richard L. Hearn (steam)	273,000	287,000	785,873,900
	Scarborough (steam)	20,000	22,000	2,199,200
Total		2,323,150	**	12,499,782,421

*25-cycle stations; others are 60-cycle, except as indicated.

**Because the maximum 20-minute peak outputs of the various generating stations and purchased-power sources in a system do not occur incidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT
IN DECEMBER 1953, AND TOTAL ENERGY OUTPUT
DURING 1953**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Abitibi	*Abitibi Canyon.....	181,000	181,000	1,212,531,000
Mississagi	George W. Rayner.....	47,000	46,500	337,260,690
Mattagami	*Wawaitein.....	10,800	10,700	71,025,916
	*Lower Sturgeon.....	6,000	6,000	44,530,548
	*Sandy Falls.....	3,000	2,180	18,912,480
Montreal	Upper Notch.....	8,400	8,300	50,354,000
	Hound Chute.....	3,600	3,740	27,066,700
	Indian Chute.....	3,000	3,030	16,109,480
	Fountain Falls.....	2,000	2,040	16,055,540
Wanapitei	Stinson.....	5,700	5,610	31,971,076
	Coniston.....	4,100	1,950	9,938,800
	McVittie.....	2,200	2,350	17,733,160
Matabitchuan	Matabitchuan.....	8,800	8,000	41,464,760
Sturgeon	Crystal Falls.....	8,200	4,200	39,639,400
South	Nipissing.....	1,600	1,740	8,748,520
	Elliott Chute.....	1,400	1,460	4,798,400
	Bingham Chute.....	900	950	4,806,500
Kagawong	Kagawong.....		510	4,035,450
Location	Fuel-Electric Generating Station			
Kagawong	Kagawong (diesel portion).....	500	160	15,050
Total.....		298,200	**	1,956,997,470
NORTHWESTERN DIVISION				
River	Hydro-Electric Generating Stations			
Nipigon	Pine Portage.....	58,700	62,500	455,122,790
	Cameron Falls.....	59,100	58,000	417,454,600
	Alexander.....	52,300	54,000	383,575,400
Aguasabon	Aguasabon.....	44,000	45,000	244,758,120
Kaministikwia	Kakabeka Falls.....	25,000	24,500	156,580,500
English	Ear Falls.....	19,500	21,200	132,831,600
Albany	Rat Rapids.....	2,500	2,100	15,658,040
Total.....		261,100	**	1,805,981,050
Total generated—All systems.....		2,882,450	**	16,262,760,941
SOURCES OF PURCHASED POWER				
SOUTHERN ONTARIO SYSTEM				
	Detroit Edison Company.....		196,000	174,477,000
	Polymer Corporation.....	22,000	8,000	8,040,900
*Canadian Niagara Power Company.....		15,000	17,000	95,709,000
Gatineau Power Company (25 & 60 cycle).....		254,000	269,600	1,444,600,000
*Beauharnois Light, Heat & Power Company.....		187,000	244,000	1,725,790,000
Maclaren-Quebec Power Company (25 & 60 cycle).....		119,000	121,100	766,561,200
*Ottawa Valley Power Company.....		82,000	75,000	382,176,350
Miscellaneous (relatively small suppliers) (25 & 60 cycle).....		2,100		11,766,038
Total.....		681,100	**	4,609,120,488
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
	Abitibi Power & Paper Company (25 & 60 cycle).....		10,800	5,946,400
*Quebec Hydro-Electric Commission.....			28,000	23,670,095
Miscellaneous (relatively small suppliers).....			3,150	4,032,640
Total.....			**	33,649,135
NORTHWESTERN DIVISION				
	Ontario-Minnesota Pulp & Paper Company.....	1,800	3,256	6,914,800
Total purchased—All systems.....		682,900	**	4,649,684,423
Total generated and purchased—All systems.....		3,565,350	**	20,912,445,364

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. '13	25	2,800.3	12,820	22.1
Agincourt.....	Nov. '22	60	998.0	4,202	13.5
Ailsa Craig.....	Jan. '16	60	211.9	779	4.3
Ajax.....	Jan. '52	60	2,930.3	13,418	36.8
Alexandria.....	Jan. '21	60	941.6	3,685	13.0
Alfred.....	June '52	60	185.0	573	.....
Alliston.....	June '18	60	973.4	4,696	11.8
Almonte.....	Feb. '45	60	825.0	1,780	1.6
Alvinston.....	Apr. '22	60	220.2	672	4.7
Amherstburg.....	Feb. '19	60	2,197.3	9,628	7.8
Ancaster Twp.....	Jan. '14	25	1,291.5	4,826	21.2
Apple Hill.....	Apr. '21	60	64.3	234	9.9
Arkona.....	Dec. '26	60	206.7	675	12.3
Arnprior.....	June '29	60	2,528.0	10,238	7.7
Arthur.....	Dec. '16	60	418.8	1,654	8.5
Athens.....	Jan. '29	60	238.5	839	9.3
Aurora.....	Dec. '20	60	2,482.5	11,843	10.2
Aylmer.....	Mar. '18	25	2,447.0	10,173	8.7
Ayr.....	Jan. '15	25	460.4	1,539	6.0
Baden.....	May '12	60	397.5	2,688	21.2
Bala.....	Apr. '29	60	197.7	1,163	9.5
Bancroft.....	Mar. '50	60	217.2	542	41.1
Barrie.....	Apr. '13	60	8,407.2	39,601	11.0
Barry's Bay.....	Jan. '50	60	160.5	577	9.7
Bath.....	Nov. '31	60	134.2	468	16.7
Beachville.....	Aug. '12	25 & 60	1,083.4	5,938	14.8
Beamsville.....	Jan. '30	25	1,098.2	4,709	11.2
Beaverton.....	Nov. '14	60	486.5	1,889	1.7
Becton.....	Aug. '18	60	281.8	938	17.1
Belle River.....	Dec. '22	60	472.9	1,795	2.4
Belleville.....	Mar. '16	60	12,757.1	61,383	5.0
Blenheim.....	Nov. '15	25	1,198.6	4,381	3.8
Bloomfield.....	Apr. '19	60	241.2	976	6.1
Blyth.....	July '24	60	389.8	1,525	3.0
Bobcaygeon.....	July '46	60	319.0	1,398	8.9
Bolton.....	Feb. '15	60	488.0	1,833	13.0
Bothwell.....	Sep. '15	25	327.0	996	10.0
Bowmanville.....	Mar. '16	60	4,230.5	18,970	3.8
Bradford.....	Oct. '18	60	880.0	3,856	5.4
Braeside.....	June '29	60	261.0	653	5.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre-quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brampton	Nov. '11	25	6,080.3	25,273	10.1
Brantford	Feb. '14	25 & 60	26,743.4	125,474	6.1
Brantford Twp.	Oct. '15	25 & 60	5,867.2	21,951	7.9
Brechin	Jan. '15	60	87.8	262	35.7
Bridgeport	Mar. '28	60	515.4	1,905	11.3
Brigden	Jan. '18	60	176.6	526	2.5
Brighton	Mar. '16	60	882.1	3,792	6.4
Brockville	Apr. '15	60	8,954.5	41,757	6.9
Bronte	Jan. '30	60	615.2	2,036	30.3
Brussels	July '24	60	437.0	1,769	6.7
Burford	June '15	25	478.8	1,910	8.6
Burgessville	Nov. '16	25	112.2	378	10.4
Burks Falls	Jan. '50	60	293.4	874	15.0
Burlington	Jan. '30	60	4,216.7	16,463	13.5
Burlington Beach	Jan. '30	25 & 60	954.1	3,924	10.1
Caledonia	Oct. '12	25	760.4	3,077	8.0
Campbellville	Jan. '25	25	115.9	372	7.6
Cannington	Nov. '14	60	433.3	1,612	8.0
Cardinal	July '30	60	632.0	2,368	8.4
Carleton Place	May '19	60	2,482.0	10,611	4.1
Casselman	Dec. '52	60	243.0	880	.....
Cayuga	Nov. '24	25	252.5	1,091	7.1
Chatham	Feb. '15	25 & 60	13,266.9	60,966	7.7
Chatsworth	Dec. '15	60	220.1	748	2.4
Chesley	July '16	60	924.4	3,562	1.9
Chesterville	Apr. '14	60	671.4	3,176	4.4
Chippawa	Sep. '19	25	704.1	2,974	11.9
Clifford	May '24	60	233.0	998	5.2
Clinton	Mar. '14	60	1,518.0	7,138	8.3
Cobden	Dec. '34	60	384.9	1,387	18.5
Cobourg	Mar. '16	60	4,696.9	21,055	13.3
Colborne	Mar. '16	60	562.6	2,267	10.4
Coldwater	Mar. '13	60	295.5	1,081	6.0
Collingwood	Mar. '13	60	4,212.8	17,128	0.3
Comber	May '15	25	239.6	833	8.4
Cookstown	May '18	60	212.5	738	14.0
Cottam	Feb. '19	25	178.0	613	3.3
Courtright	Dec. '23	60	116.4	439	10.5
Creemore	Nov. '14	60	327.4	1,162	10.7
Dashwood	Sep. '17	60	181.0	599	5.5

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Delaware.....	Mar. '15	60	194.7	588	11.0
Delhi.....	May '38	25	1,428.0	5,206	7.1
Deseronto.....	Mar. '16	60	570.3	2,640	11.0
Dorchester.....	Dec. '14	60	247.4	967	12.0
Drayton.....	Mar. '18	60	237.3	865	15.7
Dresden.....	Apr. '15	60	795.3	3,430	8.8
Drumbo.....	Dec. '14	25	175.7	615	8.1
Dublin.....	Oct. '17	60	107.0	457	9.4
Dundalk.....	Dec. '15	60	410.7	1,309	3.5
Dundas.....	Jan. '11	25 & 60	4,589.3	18,020	8.4
Dunnville.....	June '18	25	2,622.2	10,695	11.4
Durham.....	Dec. '15	60	842.0	3,439	12.2
Dutton.....	Sep. '15	25	307.0	1,247	10.2
East York Twp.....	Dec. '23	60	29,511.3	130,781	14.9
Eganville.....	Apr. '52	60	120.1	376	.....
Elmira.....	Nov. '13	25 & 60	2,370.6	10,503	4.2
Elmvale.....	June '13	60	408.9	1,557	1.5
Elmwood.....	Apr. '18	60	154.5	422	5.1
Elora.....	Nov. '14	25	729.3	2,824	6.0
Embro.....	Jan. '15	25	262.0	994	5.3
Erieau.....	July '24	25	215.0	1,184	10.0
Erie Beach.....	July '25	25	27.6	101	2.5
Erin.....	Jan. '45	60	310.8	983	15.6
Essex.....	Feb. '19	25	1,217.7	5,018	8.5
Etobicoke Twp.....	Aug. '17	60	44,629.8	195,157	20.7
Exeter.....	June '16	60	1,576.4	6,122	5.6
Fergus.....	Nov. '14	25	2,273.0	8,927	4.4
Finch.....	Feb. '28	60	170.8	686	8.3
Flesherton.....	Dec. '15	60	311.4	750	13.6
Fonthill.....	June '26	25	748.8	3,051	12.0
Forest.....	Mar. '17	60	919.0	4,162	4.6
Forest Hill.....	Jan. '38	25 & 60	11,196.6	47,353	8.1
Frankford.....	Oct. '37	60	409.2	1,507	8.4
Galt.....	May '11	25 & 60	17,685.6	70,004	8.9
Georgetown.....	Sep. '13	25	3,381.6	14,924	19.3
Glencoe.....	Aug. '20	60	360.5	1,269	1.3
Goderich.....	Feb. '14	60	2,816.2	13,252	3.4
Grand Valley.....	Dec. '16	60	350.6	1,193	11.2
Granton.....	July '16	60	98.9	307	7.2
Gravenhurst.....	Nov. '15	60	2,142.2	9,432	11.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Grimsby	Jan. '30	25	1,733.6	7,772	10.9
Guelph	Dec. '10	25 & 60	20,266.4	94,690	15.8
Hagersville	Sep. '13	25	1,544.9	5,040	7.2
Hamilton	Feb. '11	25 & 60	212,706.6	1,157,214	9.5
Hanover	Sep. '16	60	2,664.7	9,576	9.7
Harriston	July '16	25 & 60	946.5	3,904	7.4
Harrow	Feb. '19	60	937.8	3,513	4.2
Hastings	June '31	60	265.4	922	0.7
Havelock	Feb. '21	60	317.0	1,352	4.2
Hawkesbury	June '52	60	1,662.7	7,448	.....
Hensall	Jan. '17	60	501.6	1,836	16.2
Hepworth	Apr. '30	60	88.4	300	4.8
Hespeler	Feb. '11	25	3,955.3	17,492	0.02
Highgate	Dec. '16	25	148.7	452	0.1
Holstein	May '16	60	82.0	309	17.7
Huntsville	Sep. '16	60	1,948.0	10,135	5.1
Ingersoll	May '11	25 & 60	4,344.2	18,170	1.7
Iroquois	Feb. '40	60	509.5	2,254	5.0
Jarvis	Feb. '24	25	290.3	1,063	1.8
Kemptville	Dec. '21	60	1,027.5	4,308	1.9
Kincardine	Mar. '21	60	1,285.6	6,205	6.6
Kingston	Dec. '17	60	26,477.2	131,304	7.8
Kingsville	Feb. '19	25	1,644.0	5,588	18.7
Kirkfield	June '20	60	56.2	197	15.3
Kitchener	Jan. '11	25 & 60	41,687.0	202,152	9.6
Lakefield	Aug. '20	60	1,234.0	5,639	12.2
Lambeth	Apr. '15	60	684.9	2,276	11.0
Lanark	Sep. '21	60	206.9	763	13.0
Lancaster	May '21	60	149.4	552	19.6
La Salle	Nov. '25	25	764.9	2,992	10.9
Leamington	Feb. '19	25	3,952.4	17,165	10.2
Lindsay	Mar. '16	60	5,915.7	27,501	12.9
Listowel	June '16	60	2,058.0	8,874	6.5
London	Jan. '11	60	53,007.2	281,274	5.6
London Twp.	Sep. '17	60	1,416.7	4,839	12.7
Long Branch	Jan. '31	60	4,883.4	20,345	8.1
L'Orignal	June '52	60	140.0	607	.....
Lucan	Feb. '15	60	490.0	1,741	5.8
Lucknow	Jan. '21	60	571.0	2,416	2.5
Lynden	Nov. '15	25	207.6	720	3.2

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Madoc.....	Mar. '16	60	662.6	2,288	6.7
Magnetawan.....	July '51	60	54.3	197	19.3
Markdale.....	Mar. '16	60	458.3	1,638	7.1
Markham.....	Apr. '20	60	974.8	3,551	19.1
Marmora.....	Jan. '21	60	465.0	1,582	20.2
Martintown.....	May '21	60	88.7	294	8.5
Maxville.....	Feb. '21	60	266.3	929	12.6
Meaford.....	Jan. '24	60	1,669.2	7,053	13.5
Merlin.....	Dec. '22	25	185.1	677	6.5
Merrickville.....	July '50	60	377.8	1,365	1.6
Merritton.....	Nov. '20	25 & 60	12,522.8	70,926	6.2
Midland.....	July '11	60	5,377.5	24,579	1.3
Mildmay.....	Apr. '30	60	377.6	1,242	2.4
Millbrook.....	Mar. '16	60	284.2	1,091	9.3
Milton.....	Apr. '13	25	2,604.4	10,011	11.0
Milverton.....	June '16	60	803.9	2,376	5.2
Mimico.....	May '12	60	5,897.7	24,683	10.4
Mitchell.....	Sep. '11	60	1,245.7	5,394	1.0
Moorefield.....	Mar. '18	60	108.4	458	16.1
Morrisburg.....	June '38	60	759.0	3,762	5.2
Mount Brydges.....	Mar. '15	60	245.2	840	8.2
Mount Forest.....	Dec. '15	60	1,667.0	4,383	7.4
Napanee.....	Mar. '16	60	2,469.1	10,451	6.2
Neustadt.....	Dec. '18	60	209.2	742	27.2
Newboro.....	Dec. '48	60	63.8	201	2.8
Newburgh.....	Mar. '16	60	146.3	576	31.6
Newbury.....	Mar. '21	25	70.5	298	7.8
Newcastle.....	Mar. '16	60	575.1	2,290	15.9
New Hamburg.....	Mar. '11	60	1,094.9	3,768	7.6
Newmarket.....	Dec. '20	60	3,244.7	14,891	11.4
New Toronto.....	Feb. '14	60	15,020.3	75,670	13.8
Niagara.....	Aug. '19	25	1,625.3	7,641	12.1
Niagara Falls.....	Dec. '15	25 & 60	15,783.6	76,265	8.4
North York Twp.....	Nov. '23	60	67,929.6	273,531	17.1
Norwich.....	May '12	25	792.5	3,058	4.6
Norwood.....	Feb. '21	60	346.5	1,519	1.0
Oakville.....	Jan. '30	60	6,046.5	23,281	25.7
Oil Springs.....	Feb. '18	60	198.3	1,043	2.1
Omemece.....	Jan. '18	60	298.4	1,031	9.0
Orangeville.....	July '16	60	1,662.4	7,038	7.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Orono.....	Mar. '16	60	288.0	980	13.4
Oshawa.....	Mar. '16	60	36,913.7	173,144	17.3
Ottawa.....	Jan. '14	60	88,381.1	357,665	11.4
Otterville.....	Feb. '16	25	267.3	1,032	9.9
Owen Sound.....	Dec. '15	60	9,772.4	40,664	4.4
Paisley.....	Sep. '23	60	372.6	1,175	11.3
Palmerston.....	July '16	60	885.9	4,133	5.1
Paris.....	Feb. '14	25	2,665.0	11,298	1.9
Parkhill.....	May '20	60	515.5	2,124	6.4
Parry Sound.....	Aug. '46	60	1,150.4	3,870	34.0
Penetanguishene.....	July '11	60	1,704.6	8,489	14.1
Perth.....	Feb. '19	60	2,784.2	10,650	4.5
Peterborough.....	Mar. '13	60	27,159.9	132,179	9.2
Petrolia.....	May '16	60	1,327.8	5,647	0.4
Picton.....	Apr. '19	60	2,631.0	11,498	8.4
Plattsville.....	Dec. '14	25	335.4	1,270	37.2
Point Edward.....	Nov. '16	60	2,992.0	10,552	10.0
Port Carling.....	Apr. '29	60	238.8	1,500	10.9
Port Colborne.....	Mar. '20	25	4,158.8	19,907	0.5
Port Credit.....	Aug. '12	60	3,348.0	14,364	27.0
Port Dalhousie.....	Nov. '12	25	1,565.0	8,261	19.7
Port Dover.....	Dec. '21	25	1,155.2	5,112	18.5
Port Elgin.....	Apr. '30	60	814.4	3,642	11.2
Port Hope.....	Mar. '16	60	4,891.8	23,218	7.2
Port McNicoll.....	Jan. '15	60	1,412.5	2,559	9.1
Port Perry.....	Sep. '22	60	852.5	3,099	17.8
Port Rowan.....	Nov. '26	25	202.2	733	2.5
Port Stanley.....	Apr. '12	25	749.7	4,143	5.4
Prescott.....	Dec. '13	60	2,167.5	8,761	22.4
Preston.....	Jan. '11	25 & 60	6,945.2	25,353	6.5
Priceville.....	Mar. '21	60	25.0	85	27.3
Princeton.....	Jan. '15	25	188.3	692	3.8
Queenston.....	Mar. '21	25	255.0	1,225	16.2
Renfrew.....	Dec. '44	60	2,335.1	10,202	36.0
Richmond.....	Aug. '28	60	300.2	968	18.9
Richmond Hill.....	June '25	60	1,949.9	7,089	33.4
Ridgetown.....	Dec. '15	25	789.8	2,990	7.8
Ripley.....	Jan. '21	60	203.9	719	8.2
Riverside.....	Nov. '22	60	4,182.1	15,479	5.9
Rockwood.....	Sep. '13	25	329.0	1,151	7.5

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Rodney.....	Feb. '17	25	320.8	1,224	6.4
Rosseau.....	July '31	60	49.2	205	12.9
Russell.....	Feb. '26	60	171.0	609	11.1
St. Catharines.....	Apr. '14	25 & 60	35,794.8	160,976	2.5
St. Clair Beach.....	Nov. '22	60	260.1	879	2.6
St. George.....	Sep. '15	25	286.9	1,214	20.2
St. Jacobs.....	Sep. '17	60	388.5	1,544	1.1
St. Mary's.....	May '11	60	2,399.0	10,977	0.5
St. Thomas.....	Apr. '11	25 & 60	10,523.5	54,023	5.5
Sarnia.....	Dec. '16	60	27,645.7	133,832	21.4
Scarborough Twp.....	Aug. '18	60	41,720.3	183,200	41.6
Seaforth.....	Nov. '11	60	1,273.1	5,228	10.7
Shelburne.....	July '16	60	598.8	2,417	7.5
Simcoe.....	Apr. '15	25	4,827.2	19,140	6.3
Smith's Falls.....	Sep. '18	60	5,307.5	21,099	3.8
Smithville.....	Jan. '30	25	399.7	1,599	13.8
Southampton.....	Apr. '30	60	819.0	3,659	3.9
Springfield.....	Aug. '17	25	133.0	533	7.7
Stamford Twp.....	Nov. '16	25 & 60	10,037.4	42,327	24.0
Stayner.....	Oct. '13	60	641.0	2,457	12.6
Stirling.....	Mar. '16	60	631.9	2,448	3.3
Stoney Creek.....	Jan. '30	25	1,542.4	5,676	29.3
Stouffville.....	Sep. '23	60	1,002.3	3,692	7.8
Stratford.....	Jan. '11	60	11,168.9	52,788	2.1
Strathroy.....	Dec. '14	60	2,313.0	10,376	3.9
Streetsville.....	Dec. '34	25	1,212.3	4,869	22.6
Sunderland.....	Nov. '14	60	262.8	952	7.2
Sundridge.....	June '52	60	79.0	530	.....
Sutton.....	Aug. '23	60	609.5	2,911	12.3
Swansea.....	Oct. '37	60	4,696.4	21,749	4.9
Tara.....	Feb. '18	60	239.4	811	2.4
Tavistock.....	Nov. '16	25 & 60	832.1	3,205	1.8
Tecumseh.....	Nov. '22	60	1,024.4	4,268	7.5
Teeswater.....	Dec. '20	60	378.0	1,439	0.6
Thamesford.....	Feb. '14	60	400.2	1,352	0.6
Thamesville.....	Oct. '15	25	516.8	1,767	6.3
Thedford.....	May '22	60	282.4	1,118	9.9
Thornbury.....	Sep. '44	60	355.1	1,050	10.3
Thorndale.....	Mar. '14	60	185.2	716	13.4
Thornton.....	Nov. '18	60	80.2	230	8.2

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery		Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or <i>decrease</i> in energy consumption 1953 over 1952
			cycles	kw	'000 kwh	per cent
SOUTHERN ONTARIO SYSTEM—Continued						
Thorold.....	Jan.	'21	25 & 60	7,104.6	41,363	31.8
Tilbury.....	Apr.	'15	25	1,477.0	5,930	13.2
Tillsonburg.....	Aug.	'11	25	3,175.5	12,724	6.4
Toronto.....	June	'11	25 & 60	488,727.8	2,493,988	7.5
Toronto Twp.....	Aug.	'13	60	18,900.0	73,683	33.6
Tottenham.....	Oct.	'18	60	261.7	1,014	9.2
Trafalgar Twp.....	Dec.	'23	60	3,145.9	11,591	29.5
Trenton.....	Mar.	'16	60	9,347.2	42,530	17.9
Tweed.....	Mar.	'16	60	666.2	3,245	28.7
Uxbridge.....	Sep.	'22	60	890.2	3,586	10.1
Vankleek Hill.....	June	'52	60	289.3	1,174	.....
Victoria Harbour.....	July	'14	60	224.4	832	18.8
Walkerton.....	Apr.	'30	60	1,986.4	6,878	8.3
Wallaceburg.....	Feb.	'15	25 & 60	7,719.3	37,497	1.1
Wardsville.....	June	'21	25	110.2	449	3.1
Warkworth.....	Oct.	'23	60	201.7	617	3.8
Wasaga Beach.....	Jan.	'53	60	131.0	1,826	.....
Waterdown.....	Nov.	'11	25	711.4	2,786	7.4
Waterford.....	Apr.	'15	25	739.5	2,925	9.4
Waterloo.....	Dec.	'10	25 & 60	10,401.0	43,503	10.5
Watford.....	Sep.	'17	60	742.1	2,654	10.8
Waubausheene.....	Dec.	'14	60	174.0	757	7.9
Welland.....	Sep.	'17	25 & 60	11,434.7	57,408	5.1
Wellesley.....	Nov.	'16	60	302.0	997	10.7
Wellington.....	Apr.	'19	60	386.0	1,561	2.6
West Lorne.....	Jan.	'17	25	794.0	2,599	1.9
Weston.....	Aug.	'11	25 & 60	6,988.7	34,057	8.9
Westport.....	Nov.	'31	60	257.4	920	9.9
Wheatley.....	Feb.	'24	25	571.9	2,105	11.7
Whitby.....	Mar.	'16	60	3,628.0	14,836	15.5
Warton.....	Apr.	'30	60	823.8	3,850	11.0
Williamsburg.....	Apr.	'15	60	148.2	616	1.4
Winchester.....	Jan.	'14	60	689.9	2,810	3.8
Windermere.....	June	'30	60	57.9	399	16.2
Windsor.....	Oct.	'14	60	69,212.1	327,718	7.8
Wingham.....	Dec.	'20	60	1,315.2	6,388	3.6
Woodbridge.....	Dec.	'14	60	1,655.6	8,281	5.7
Woodstock.....	Jan.	'11	25 & 60	13,192.5	57,986	12.8
Woodville.....	Nov.	'14	60	156.8	536	9.1
Wyoming.....	Nov.	'16	60	289.3	893	18.3
York Twp.....	Jan.	'13	60	45,923.5	211,297	12.0
Zurich.....	Sep.	'17	60	266.0	929	8.7

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery	Fre- quency December 1953	Peak load December 1953	Energy supplied during 1953	Increase or decrease in energy consumption 1953 over 1952
NORTHERN ONTARIO PROPERTIES		cycles	kw	'000 kwh	per cent
Atikokan.....	Dec. '44	60	1,897.3	7,290	42.2
Beardmore.....	June '37	60	362.0	1,364	12.1
Cache Bay.....	Dec. '50	60	96.8	1,208	3.5
Capreol.....	May '35	60	1,077.8	4,542	9.5
Cobalt.....	Jan. '45	60	807.2	3,278	2.4
Cochrane.....	Dec. '52	60	1,650.0	8,250	.....
Cottage Cove Townsite	Nov. '40	60	155.9	662	1.6
Elk Lake Townsite....	Jan. '45	25	131.0	509	12.4
Englehart.....	Jan. '45	60	758.7	2,929	10.7
Fort William.....	Oct. '26	60	29,991.9	164,037	1.5
Geraldton.....	Feb. '37	60	948.7	3,758	0.6
Haileybury.....	Jan. '45	60	1,085.8	4,514	5.0
Hearst.....	Apr. '52	60	552.0	2,370	.....
Hudson Townsite.....	Oct. '39	60	123.5	477	1.7
Jellicoe Townsite.....	Dec. '51	60	20.0	86	96.4
Kapuskasing.....	Aug. '53	60	2,281.1	3,768	.....
Kearns Townsite.....	Dec. '38	25	151.0	560	0.7
King Kirkland Townsite	Dec. '36	25	86.2	254	12.5
Kirkland Lake.....	Jan. '45	25 & 60	6,491.0	26,185	2.5
Larder Lake Twp.....	Mar. '49	60	517.5	2,308	4.8
Latchford.....	Apr. '50	60	126.5	293	24.1
Massey.....	Dec. '52	60	156.0	563	.....
Matatchewan Twp.....	Apr. '35	25	281.5	1,195	4.5
Matheson.....	Dec. '35	25	381.5	1,450	13.9
Mattawa.....	Jan. '53	60	1,008.1	3,989	.....
McGarry.....	Mar. '49	60	656.2	2,642	4.9
New Liskeard.....	Jan. '45	60	2,146.4	8,613	2.5
Nipigon Twp.....	Jan. '25	60	791.0	3,707	12.3
North Bay.....	Mar. '16	60	9,331.1	46,135	8.3
Pickle Lake Landing Townsite.....	Aug. '52	60	23.0	65	.....
Port Arthur.....	Dec. '10	60	31,407.0	148,190	0.4
Powassan.....	Mar. '16	60	356.1	1,192	14.9
Red Lake Townsite....	June '38	60	705.8	3,145	15.1
Red Rock.....	Feb. '48	60	532.5	2,184	24.4
Schreiber Twp.....	Nov. '48	60	668.8	2,978	19.9
Sioux Lookout.....	Sep. '39	60	1,172.9	5,901	23.8
South Porcupine Townsite.....	Jan. '45	25	1,520.1	6,360	5.0
Sturgeon Falls.....	Apr. '51	60	1,333.1	5,226	10.3
Sudbury.....	Feb. '30	60	21,868.4	95,722	8.4
Terrace Bay.....	Jan. '48	60	1,010.5	4,947	6.9
Thornloe.....	Jan. '45	60	27.0	130	5.0
Timmins.....	Jan. '45	25	8,721.3	37,148	3.9
Webbwood.....	Dec. '52	60	60.0	292	.....

APPENDIX II—FINANCIAL

Schedules in Support of Financial Statements Presented in Section II

For each of the Southern Ontario System and the Northern Ontario Properties a balance sheet and a statement of operations are given in Section II of the Report. Also in Section II are statements of the Commission's funded debt and of advances from the Province of Ontario.

Appendix II includes detailed schedules in support of the summaries given in Section II. Schedules relating to the Southern Ontario System are given first and those relating to Northern Ontario Properties follow in the same order. For convenient reference the following table is reproduced from Section II.

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of
Ontario on Behalf of the Co-operating Municipalities and
Rural Power District of the Southern Ontario System
and to

Northern Ontario Properties Held and Operated by the Commission
in Trust for the Province of Ontario and on Behalf of
Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
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Schedules supporting the Balance Sheet:		
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Advances from the Province of Ontario.....	30	30
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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
GENERATING STATIONS	\$	\$	\$	\$
Niagara Division				
Niagara River				
Sir Adam Beck-Niagara				
No. 1.....	9,944.25	47,880,023.93	28,774,867.64	76,664,835.82
Sir Adam Beck-Niagara				
No. 2.....	191,351,311.71			191,351,311.71
Ontario Power.....		7,281,151.42	14,495,691.90	21,776,843.32
Toronto Power.....		3,823,379.60	7,632,354.00	11,455,733.60
Niagara Weir.....		416,326.62		416,326.62
Welland Canal				
DeCew Falls.....	501,576.86	10,139,595.12	16,195,416.18	26,836,588.16
Ottawa River				
Des Joachims.....	274,321.77	13,639,398.00	58,908,144.81	72,821,864.58
Otto Holden.....		16,137,920.00	41,267,386.92	57,405,306.92
Chenau.....		2,285,160.00	27,006,279.03	29,291,439.03
Chats Falls.....	503,370.31	817,229.09	6,615,872.64	7,936,472.04
Power sites, etc.....	786,242.82			786,242.82
Long Lake Diversion.....		258,058.00	637,759.31	895,817.31
Ogoki Diversion.....		3,300,539.39	1,744,149.83	5,044,689.22
Fuel-electric generating stations				
J. Clark Keith.....		190,000.00	43,560,475.11	43,750,475.11
Richard L. Hearn.....		750,000.00	46,074,264.75	46,824,264.75
Other steam-electric.....		163,745.87	6,102,653.96	6,266,399.83
Diesel.....			456,342.99	456,342.99
Georgian Bay Division				
Muskoka River				
Ragged Rapids.....	815.19	70,889.49	1,266,337.65	1,338,042.33
Big Eddy.....	2,707.26	170,434.74	1,127,375.03	1,300,517.03
Bala No. 1 and 2.....		70,651.90	43,379.34	114,031.24
Land and water rights.....		17,224.03		17,224.03
South Muskoka River				
South Falls.....		17,934.95	575,294.30	593,229.25
Trethewey Falls.....		51,549.45	307,533.09	359,082.54
Hanna Chute.....		33,469.30	205,348.15	238,817.45
Hollow Lake Dam.....		18,425.43	29,540.16	47,965.59
Beaver River				
Eugenia.....	402.80	142,538.73	1,170,789.02	1,313,730.55
Severn River				
Big Chute.....		178,040.48	604,668.13	782,708.61
Wasdell Falls.....		13,752.32	192,669.00	206,421.32
Saugeen River				
Walkerton.....	140.03	100,286.31	104,883.80	205,310.14
Hanover.....		10,000.00		10,000.00
Magnetawan River				
Burks Falls.....		24,134.00	156,975.32	181,109.32
Sauble River				
Lands and rights.....		4,200.00		4,200.00
Credit River				
Caledon.....		7,675.00	27,795.02	35,470.02
Miscellaneous.....		3.00		3.00
Eastern Ontario Division				
Trent River				
Heely Falls.....			1,233,653.30	1,233,653.30

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
GENERATING STATIONS— <i>Cont.</i>	\$	\$	\$	\$
Ranney Falls.....		18,596.20	1,418,765.09	1,437,361.29
Meyersburg.....			837,756.98	837,756.98
Sidney.....			249,850.46	249,850.46
Hagues Reach.....			572,466.30	572,466.30
Seymour.....			333,568.05	333,568.05
Frankford.....	1.83		280,628.15	280,629.98
Sills Island.....	1.96	38,679.36	282,721.87	321,403.19
Crow River.....		1,000.00		1,000.00
Otonabee River				
Auburn.....		31,400.00	302,546.29	333,946.29
Lakefield.....		19,620.05	217,774.45	237,394.50
Fenelon Falls.....		60,000.00	112,848.63	172,848.63
Madawaska River				
Stewartville.....	684.87	840,221.08	10,973,537.79	11,814,443.74
Barrett Chute.....	257.04	702,098.49	4,008,493.28	4,710,848.81
Calabogie.....		79,825.74	734,745.46	814,571.20
Bark Lake Dam.....		610,948.81	791,960.09	1,402,908.90
Kaministegig Dam.....		24,980.86	1,795.46	26,776.32
Undeveloped sites.....	241,081.66	800,000.00		1,041,081.66
Mississippi River				
High Falls.....	2,207.56	13,154.84	722,109.91	737,472.31
Galetta.....		20,000.00	147,987.41	167,987.41
Rideau River				
Merrickville.....		7,547.51	149,237.43	156,784.94
Miscellaneous.....		39.00		39.00
Intangible.....		2,347,464.75		2,347,464.75
	193,675,067.92	113,629,312.86	328,656,693.48	635,961,074.26
TRANSFORMER STATIONS				
Niagara Division.....	7,213,789.33		146,662,035.03	153,875,824.36
Georgian Bay Division.....	570,842.90		6,560,231.26	7,131,074.16
Eastern Ontario Division.....	1,312,630.54		17,248,342.88	18,560,973.42
	9,097,262.77		170,470,609.17	179,567,871.94
TRANSMISSION LINES				
Niagara Division.....	10,223,265.28	18,134,721.00	95,626,196.03	123,984,182.31
Georgian Bay Division.....	430,282.35	231,109.00	6,040,585.82	6,751,977.17
Eastern Ontario Division.....	1,394,447.47	1,699,244.00	16,969,065.57	20,062,757.04
	12,097,995.10	20,065,074.00	118,635,847.42	150,798,916.52
LOCAL SYSTEMS				
Niagara Division.....	6,291.73		115,746.09	122,037.82
Georgian Bay Division.....	4,420.63		319,081.23	323,501.86
Eastern Ontario Division.....	87,130.40		393,156.34	480,286.74
	97,842.76		827,983.66	925,826.42
COMMUNICATIONS				
Southern Ontario System.....	5,793.36		10,403,300.28	10,409,093.64
Total power system.....	214,973,961.91	133,694,386.86	628,994,434.01	977,662,782.78

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
ADMINISTRATIVE AND SERVICE BUILDINGS
AND EQUIPMENT

FIXED ASSETS—December 31, 1953

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
BUILDINGS	\$	\$	\$	\$
Administrative				
Head Office.....	2,252,032.18	462,561.54	3,957,876.33	6,672,470.05
210 Bloor Street West.....		42,000.00	264,993.95	306,993.95
Service				
Toronto				
8 Strachan Avenue....	19,492.48		208,316.78	227,809.26
1379 Bloor Street West	12.00		50,000.00	50,012.00
A. W. Manby Service				
Centre.....	482,234.35	257,009.30	7,212,227.09	7,951,470.74
Fort William Helicopter				
Hangar.....			26,200.00	26,200.00
Regions and rural.....	290,426.89		827,370.28	1,117,797.17
Total buildings.....	3,044,197.90	761,570.84	12,546,984.43	16,352,753.17
OFFICE AND SERVICE EQUIPMENT				
Office				
Toronto.....			1,185,677.43	1,185,677.43
Regions.....			859,777.01	859,777.01
Service				
Toronto.....			1,845,498.11	1,845,498.11
Regions.....			786,471.92	786,471.92
Total office and service equipment.....			4,677,424.47	4,677,424.47
Total administrative and service buildings and equipment	3,044,197.90	761,570.84	17,224,408.90	21,030,177.64

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—Summary, December 31, 1953

	Power system	Administrative and service buildings and equipment	Rural Power District	Total
	\$	\$	\$	\$
Under construction.....	214,973,961.91	3,044,197.90	4,923,856.25	222,942,016.06
In service				
Depreciable.....	628,994,434.01	17,224,408.90	137,323,511.31	783,542,354.22
Non-depreciable.....	133,694,386.86	761,570.84	37,559.97	134,493,517.67
	762,688,820.87	17,985,979.74	137,361,071.28	918,035,871.89
Total fixed assets.....	977,662,782.78	21,030,177.64	142,284,927.53	1,140,977,887.95

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1953

Balance at debit at January 1, 1953.....		\$14,707,584.79
Expenditures for frequency standardization work completed		
during year.....	\$42,121,095.04	
Less industrial customers' contributions.....	3,055,538.45	
	<hr/>	
	\$39,065,538.59	
Less portion of cost charged to cost of power for the year.....	8,476,371.57	
	<hr/>	
		30,589,167.02
Balance at debit at December 31, 1953.....		<hr/>
		\$45,296,751.81

THE HYDRO-ELECTRIC POWER
SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—
Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
	\$	\$
GENERATING STATIONS		
Niagara Division		
Niagara River		
Sir Adam Beck-Niagara No. 1	76,633,141.78	9,944.04
Sir Adam Beck-Niagara No. 2	92,164,769.94	98,686,541.77
Ontario Power	21,756,993.30	38,700.00
Toronto Power	11,455,733.60	
Niagara Weir	416,326.62	
Welland Canal		
DeCew Falls	26,381,959.59	582,189.27
Ottawa River		
Des Joachims	73,196,790.74	431,305.84
Otto Holden	55,270,395.95	1,763,778.97
Chenaux	29,137,329.00	154,110.03
Chats Falls	7,443,575.93	493,813.64
Ogoki Diversion	5,052,947.50	
Fuel-electric generating stations		
J. Clark Keith	36,827,625.37	6,465,478.11
Richard L. Hearn	41,823,607.52	5,104,471.23
Other steam-electric	6,274,367.02	12,584.81
Diesel	456,342.99	
Other properties	1,683,831.05	0.96
Georgian Bay Division		
Muskoka River		
Ragged Rapids	1,333,846.47	4,195.86
Big Eddy	1,291,888.72	8,628.31
South Muskoka River		
South Falls	584,167.25	9,062.00
Trethewey Falls	359,082.54	
Beaver River		
Eugenia	1,313,327.75	402.80
Seymour River		
Big Chute	801,119.83	588.78
Other properties	1,112,896.29	151.05
Eastern Ontario Division		
Trent River		
Heely Falls	1,231,329.10	2,324.20
Ranney Falls	1,437,009.50	351.79
Meyersburg	837,756.98	
Hagues Reach	572,466.30	
Seymour	341,122.14	5,371.91
Sills Island	321,401.23	1.96
Otonabee River		
Auburn	333,801.43	344.86
Madawaska River		
Stewartville	11,613,122.55	201,471.19
Barrett Chute	4,710,624.26	224.55
Calabogie	772,185.42	49,385.78
Bark Lake Dam	1,413,856.86	
Undeveloped sites	1,041,379.87	
Mississippi River		
High Falls	729,890.46	7,581.85
Intangible	2,217,761.29	129,703.46
Other properties	1,302,265.28	40,900.90
	521,648,039.42	114,203,609.92

COMMISSION OF ONTARIO
SYSTEM

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
71,626.00	49,876.00	76,664,835.82
500,000.00		191,351,311.71
	18,849.98	21,776,843.32
		11,455,733.60
		416,326.62
70,335.00	57,225.70	26,836,588.16
806,132.00	100.00	72,821,864.58
806,132.00	435,000.00	57,405,306.92
		29,291,439.03
	917.53	7,936,472.04
8,258.23		5,044,689.22
457,371.63		43,750,475.11
103,814.00		46,824,264.75
	20,552.00	6,266,399.83
	1,771.88	456,342.99
		1,682,060.13
		1,338,042.33
		1,300,517.03
		593,229.25
		359,082.54
		1,313,730.55
	19,000.00	782,708.61
52,495.23		1,060,552.11
		1,233,653.30
		1,437,361.29
		837,756.98
		572,466.30
526.00	12,400.00	333,568.05
		321,403.19
	200.00	333,946.29
	150.00	11,814,443.74
	7,000.00	4,710,848.81
7,647.96	3,300.00	814,571.20
	298.21	1,402,908.90
		1,041,081.66
		737,472.31
36,354.94	13,500.00	2,347,464.75
		1,293,311.24
749,566.22	640,141.30	635,961,074.26

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
TRANSFORMER STATIONS	\$	\$
Niagara Division	140,652,216.28	15,134,939.36
Georgian Bay Division	5,963,244.72	1,023,915.09
Eastern Ontario Division	15,428,486.89	3,924,142.03
	162,043,947.89	20,082,996.48
TRANSMISSION LINES		
Niagara Division	115,819,810.63	8,583,476.60
Georgian Bay Division	6,300,692.70	448,000.74
Eastern Ontario Division	15,771,583.39	4,374,737.29
	137,892,086.72	13,406,214.63
LOCAL SYSTEMS		
Niagara Division	94,611.25	27,426.57
Georgian Bay Division	198,417.78	16,507.08
Eastern Ontario Division	127,619.15	352,667.59
	420,648.18	396,601.24
COMMUNICATIONS		
Southern Ontario System	9,658,382.46	785,946.05
Total power system	831,663,104.67	148,875,368.32

COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
873,436.00	1,037,895.28	153,875,824.36
335,060.00	191,145.65	7,131,074.16
114,527.00	677,128.50	18,560,973.42
652,903.00	1,906,169.43	179,567,871.94
26,303.29	392,801.63	123,984,182.31
40,642.00	37,358.27	6,751,977.17
24,113.00	107,676.64	20,062,757.04
38,451.71	537,836.54	150,798,916.52
108,627.00	50.00	122,037.82
		323,501.86
		480,286.74
108,627.00	50.00	925,826.42
95,321.40	130,556.27	10,409,093.64
339,063.33	3,214,753.54	977,662,782.78

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Administrative and Service

Property	Balance at Jan. 1, 1953	Expenditures during 1953
BUILDINGS	\$	\$
Administrative		
Head Office.....	5,115,021.02	1,591,334.64
210 Bloor Street West.....	306,993.95	.....
Service		
Toronto		
8 Strachan Avenue.....	212,936.97	14,872.29
1379 Bloor Street West.....	50,000.00	12.00
A. W. Manby Service Centre.....	7,773,703.58	258,870.51
Hamilton.....	550,000.00	.....
Region, rural, and other properties.....	14,784.92	395,967.97
Total buildings.....	14,023,440.44	2,261,057.41
OFFICE AND SERVICE EQUIPMENT		
Office		
Toronto.....	1,090,617.07	69,513.74
Regions.....	753,434.54	107,207.27
Service		
Toronto.....	1,715,790.21	159,747.28
Regions.....	447,908.22	127,613.35
Total office and service equipment.....	4,007,750.04	464,081.64
Total administrative and service buildings and equipment.....	18,031,190.48	2,725,139.05
Rural Power District.....	125,022,870.88	20,002,634.55
Total.....	974,717,166.03	171,603,141.92

Adjustment for equipment relocated and reclassified—

Excess equipment rentals Sir Adam Beck-Niagara Generating Station No. 2 credited to miscellaneous reserves.....	\$500,000.00
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COMMISSION OF ONTARIO

SYSTEM

During Year Ended December 31, 1953

Buildings and Equipment

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
26,324.49	7,561.12	6,672,470.05
		306,993.95
		227,809.26
		50,012.00
	81,103.35	7,951,470.74
	550,000.00	
733,244.28		1,143,997.17
706,919.79	638,664.47	16,352,753.17
26,324.49	777.87	1,185,677.43
	864.80	859,777.01
	30,039.38	1,845,498.11
211,290.37	340.02	786,471.92
237,614.86	32,022.07	4,677,424.47
944,534.65	670,686.54	21,030,177.64
783,597.98	1,956,979.92	142,284,927.53
500,000.00	5,842,420.00	1,140,977,887.95

Summary of Sales and Retirements during 1953

Proceeds from sales.....	3,113,556.62
Charged to accumulated depreciation.....	3,010,182.72
Credited to contingencies reserve.....	336,584.02
Charged to operations	
—Amortization of temporary buildings—	
Head Office.....	7,561.12
A. W. Manby Service Centre.....	46,425.35
—Sundry retirements.....	1,278.21
Total.....	5,842,420.00

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO

STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	98,015,437.49	14,486,781.94	2,242,314.09	114,744,533.52
Add:				
Interest at 4% per annum on reserve balances.....	3,925,897.09	579,650.29	34,992.38	4,540,539.76
Provision in the year				
—direct.....	7,966,970.53	1,320,349.67		9,287,320.20
—indirect.....		5,352.96	507,508.01	512,860.97
Salvage recovery on fixed assets retired less removal costs.....	146,006.50	818,350.23	1,952.08	670,391.65
Adjustments re transfer of equipment.....	45,253.73	86,762.73	41,509.00	
Sub-total.....	109,807,552.34	17,123,722.36	2,824,371.40	129,755,646.10
Deduct:				
Cost of fixed assets retired less proceeds from sales..	1,232,805.64	1,739,175.01	38,202.07	3,010,182.72
Balance at December 31, 1953..	108,574,746.70	15,384,547.35	2,786,169.33	126,745,463.38

Exchange Premium Received on Funded Debt (Net)

Exchange premium and discount on funded debt issued in United States funds	
Balance at January 1, 1953 (premium).....	\$5,491,506.43
Less portion transferred to contingencies and obsolescence reserve on 3% January 1943 issue, matured January, 1953.....	486,250.00
	\$5,005,256.43
Deduct discount on funded debt issued in 1953—	
3½% November 1, 1953 issue.....	\$1,172,117.98
Less portion applicable to Northern Ontario Properties.....	100,097.66
	\$1,072,020.32
3¼% February 1, 1953 issue.....	1,048,319.01
	2,120,339.33
Balance at December 31, 1953.....	\$2,884,917.10

COMMISSION OF ONTARIO

SYSTEM

December 31, 1953

Contingencies and Obsolescence

	Power system	Rural Power District	Total
	\$	\$	\$
Balance at January 1, 1953.....	32,185,976.55	1,644,609.58	33,830,586.13
Add:			
Interest at 4% per annum on reserve balances	1,284,129.91	65,784.39	1,349,914.30
Provision in the year			
—direct.....	2,537,827.99	2,820,349.67	5,358,177.66
—indirect.....		5,352.96	5,352.96
Exchange premium on retirement of debentures payable in U.S. funds.....	601,875.00		601,875.00
Sub-total.....	36,609,809.45	4,536,096.60	41,145,906.05
Deduct:			
Contingencies met with during year less sundry credits.....	59,258.96	526,002.55	585,261.51
Balance at December 31, 1953.....	36,550,550.49	4,010,094.05	40,560,644.54

Stabilization of Rates

	\$
Balance at January 1, 1953.....	23,941,642.75
Interest at 4% per annum on reserve balance.....	957,665.71
Withdrawal in the year.....	809,190.00
Balance at December 31, 1953.....	24,090,118.46

NOTE: The balance at December 31, 1953 of \$24,090,118.46 includes special accounts of \$536,948.09 and \$1,563,449.84 pertaining to municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

STATEMENTS OF RESERVES—Continued
Rural Power District—Rates Suspense Account

	\$
Balance at January 1, 1953.....	2,608,592.46
Interest at 4% per annum on reserve balance.....	104,343.70
Excess of revenue from sale of power for the year ended December 31, 1953....	78,455.08
Adjustments made during the year.....	10,190.78
Balance at December 31, 1953.....	2,801,582.02

Sinking Fund

	Power system and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balance at January 1, 1953.....	143,064,396.14	1,716,099.49	144,780,495.63
Interest at 4% per annum on reserve balance..	5,722,575.84	68,643.98	5,791,219.82
Provision in the year—direct.....	8,361,785.26		8,361,785.26
—indirect.....	5,636.66	124,741.65	130,378.31
Balance at December 31, 1953.....	157,154,393.90	1,909,485.12	159,063,879.02

SOUTHERN ONTARIO SYSTEM

**Cost of Power, Amount Billed at Interim Rates, and Balance Credited
or Charged to Municipalities for the year ended
December 31, 1953**

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Acton.....	44.50	2,783.8	12,820.2	17,959.79	41,484.19	14,120.02
Agincourt.....	42.50	779.2	4,202.0	5,886.57	11,611.64	3,952.27
Ailsa Craig.....	52.20	196.9	779.2	1,091.58	2,934.20	998.72
Alexandria.....	42.00	835.0	3,685.1	5,162.45	12,807.37	2,151.06
Alliston.....	42.00	932.1	4,696.0	6,578.62	14,301.49	2,401.22
Almonte.....	34.50	685.6	1,780.3	2,494.02	10,515.85	1,766.19
Alvinston.....	52.20	178.7	672.5	942.10	2,662.99	906.40
Amherstburg.....	52.00	1,804.1	9,628.5	13,488.55	26,884.70	9,150.77
Ancaster Twp.....	42.50	1,001.9	4,826.0	6,760.73	14,930.32	5,081.85
Apple Hill.....	41.50	57.5	234.0	327.81	881.94	148.12
Arkona.....	50.00	190.1	675.3	946.03	2,832.87	964.23
Arnprior.....	40.75	2,376.0	10,238.2	14,342.67	36,443.48	6,120.88
Arthur.....	40.50	376.6	1,654.4	2,317.65	5,778.29	970.17
Athens.....	39.50	196.8	839.2	1,175.63	3,018.55	506.98
Aurora.....	42.00	2,185.0	11,842.6	16,590.27	32,560.88	11,082.78
Aylmer.....	47.50	1,991.8	10,173.0	14,251.33	29,681.81	10,102.83
Ayr.....	44.50	409.8	1,538.5	2,155.28	6,106.84	2,078.59
Baden.....	42.50	583.9	2,688.4	3,766.17	8,701.28	2,961.66
Bancroft.....	52.20	172.8	542.0	759.29	2,650.44	445.15
Barrie.....	35.50	7,626.7	39,601.4	55,477.52	117,018.77	19,647.36
Barry's Bay.....	47.00	150.7	577.3	808.74	2,311.46	388.22
Bath.....	38.75	116.6	467.8	655.34	1,788.43	300.37
Beachville.....	46.25	1,115.3	5,937.6	8,317.97	16,620.20	5,657.04
Beamsville.....	43.25	943.3	4,708.8	6,596.55	14,057.06	4,784.62
Beaverton.....	42.75	452.3	1,888.7	2,645.88	6,939.77	1,165.18
Beeton.....	47.25	211.3	938.0	1,314.04	3,242.04	544.34
Belle River.....	52.20	411.1	1,794.8	2,514.33	6,126.21	2,085.19
Belleville.....	35.25	11,625.5	61,383.2	85,991.60	178,313.85	29,948.78
Blenheim.....	48.25	920.6	4,380.8	6,137.05	13,718.78	4,669.48
Bloomfield.....	43.25	254.4	975.6	1,366.72	3,902.03	655.37
Blyth.....	47.50	365.0	1,525.2	2,136.65	5,439.23	1,851.36
Bobcaygeon.....	39.25	337.0	1,398.0	1,958.46	4,938.21	868.16
Bolton.....	46.25	395.6	1,832.6	2,567.29	5,895.23	2,006.57
Bothwell.....	52.20	245.4	996.0	1,395.29	3,656.95	1,244.72
Bowmanville.....	38.25	4,084.4	18,969.7	26,574.60	62,647.21	10,521.94
Bradford.....	40.00	802.2	3,855.5	5,401.16	12,308.40	2,066.57
Braeside.....	38.25	222.6	653.1	914.93	3,414.28	573.45
Brampton.....	41.75	5,481.1	25,272.8	35,404.61	81,679.37	27,801.29
Brantford.....	40.75	25,906.2	125,473.6	175,775.69	386,054.26	131,401.69
Brantford Twp.....	39.75	4,511.2	21,951.2	30,751.39	67,225.91	22,881.75

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standard-ization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
38,517.01	13,919.00	2,783.80		824.61	129,608.42	123,878.73	5,729.69	46.56
5,962.26	3,895.00	779.20		230.81	32,318.75	33,116.70	797.95	41.48
3,447.22	984.50	196.90		58.33	9,711.45	10,276.85	565.40	49.32
13,532.94		835.00	1,670.00	247.34	33,066.16	35,068.25	2,002.09	39.60
14,882.50		932.10	1,864.20	276.11	37,507.84	39,147.85	1,640.01	40.24
10,382.34		685.60	1,371.20	203.09	24,675.89	23,652.89	1,023.00	35.99
3,152.18	893.50	178.70		52.93	8,788.80	9,328.98	540.18	49.18
33,290.99	9,020.50	1,804.10		534.41	94,174.02	93,815.36	358.66	52.70
8,797.75	5,009.50	1,001.90		296.78	41,878.83	42,579.68	700.85	41.80
859.59		57.50	115.00	17.03	2,176.99	2,386.23	209.24	37.86
3,019.26	950.50	190.10		56.31	8,959.30	9,505.41	546.11	47.13
44,891.63		2,376.00	4,752.00	703.81	100,126.47	96,820.64	3,305.83	42.14
6,383.30		376.60	753.20	111.56	15,184.37	15,250.60	66.23	40.32
2,748.25		196.80	393.60	58.30	7,310.91	7,773.26	462.35	37.15
18,544.86	10,925.00	2,185.00		647.24	92,536.03	91,771.40	764.63	42.35
28,774.36	9,959.00	1,991.80		590.01	95,351.14	94,611.29	739.85	47.87
5,291.03	2,049.00	409.80		121.39	18,211.93	18,237.57	25.64	44.44
6,436.55	2,919.50	583.90		172.96	25,542.02	24,813.94	728.08	43.74
5,284.28		172.80	345.60	51.19	9,017.55	9,017.55		56.99
46,103.71		7,626.70	15,253.40	2,259.17	232,879.83	270,748.73	37,868.90	30.53
3,621.28		150.70	301.40	44.64	7,023.64	7,082.09	58.45	46.61
1,799.67		116.60	233.20	34.54	4,461.75	4,519.21	57.46	38.27
12,390.01	5,576.50	1,115.30		330.37	50,007.39	51,582.22	1,574.83	44.84
11,171.66	4,716.50	943.30		279.42	42,549.11	40,798.43	1,750.68	45.11
8,735.95		452.30	904.60	133.98	19,168.46	19,334.04	165.58	42.38
4,192.60		211.30	422.60	62.59	9,144.31	9,984.30	839.99	43.28
7,728.19	2,055.50	411.10		121.78	21,042.30	21,460.27	417.97	51.19
89,211.64		11,625.50	23,251.00	3,443.69	375,284.06	409,798.87	34,514.81	32.28
15,121.76	4,603.00	920.60		272.70	45,443.37	44,418.54	1,024.83	49.36
5,057.48		254.40	508.80	75.36	10,802.56	11,003.14	200.58	42.46
5,581.36	1,825.00	365.00		108.12	17,306.72	17,336.30	29.58	47.41
5,825.65		337.00	674.00	99.83	13,353.31	13,227.57	125.74	39.62
6,133.88	1,978.00	395.60		117.18	19,093.75	18,295.71	798.04	48.27
4,969.12	1,227.00	245.40		72.69	12,811.17	12,811.17		54.35
45,178.24		4,084.40	8,168.80	1,209.87	142,047.46	156,228.30	14,180.84	34.78
9,750.48		802.20	1,604.40	237.63	28,962.04	32,089.32	3,127.28	36.10
4,001.81		222.60	445.20	65.94	8,747.81	8,513.81	234.00	39.30
49,568.24	27,405.50	5,481.10		1,623.60	228,963.71	228,837.30	126.41	41.77
141,908.52	129,531.00	25,906.20		7,673.89	998,251.25	1,055,677.63	57,426.38	38.53
26,940.14	22,556.00	4,511.20		1,336.30	176,202.69	179,320.85	3,118.16	39.06

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Brechin.....	40.75	76.5	262.2	367.31	1,173.76	197.07
Bridgeport.....	41.50	425.4	1,904.8	2,668.43	6,339.31	2,157.72
Brigden.....	51.00	146.7	525.5	736.17	2,186.12	744.09
Brighton.....	41.75	767.2	3,792.0	5,312.20	11,767.44	1,976.41
Brockville.....	39.50	8,568.7	41,757.3	58,497.72	131,428.14	22,074.07
Bronte.....	43.00	449.8	2,035.8	2,851.95	6,702.92	2,281.48
Brussels.....	48.75	386.6	1,769.3	2,478.61	5,761.11	1,960.92
Burford.....	43.00	464.7	1,910.1	2,675.86	6,924.96	2,357.06
Burgessville.....	44.25	112.0	378.4	530.10	1,669.02	568.09
Burks Falls.....	49.50	214.2	873.8	1,224.10	3,286.54	551.81
Burlington.....	42.25	3,257.4	16,463.0	23,062.98	48,541.78	16,522.22
Caledonia.....	43.75	628.6	3,076.8	4,310.28	9,367.40	3,188.39
Campbellville.....	46.00	92.0	371.9	520.99	1,370.98	466.64
Cannington.....	43.75	396.6	1,611.9	2,258.11	6,085.15	1,021.69
Cardinal.....	40.50	581.8	2,367.7	3,316.91	8,923.75	1,498.79
Carleton Place.....	38.50	2,420.8	10,610.9	14,864.79	37,130.63	6,236.29
Casselman.....	42.00	223.1	880.0	1,232.79	3,421.94	574.73
Cayuga.....	46.00	228.8	1,090.8	1,528.10	3,409.58	1,160.52
Chatham.....	43.25	12,223.7	60,966.0	85,407.15	182,157.61	62,001.18
Chatsworth.....	45.50	186.1	747.7	1,047.45	2,855.39	479.42
Chesley.....	40.25	905.1	3,561.7	4,989.58	13,887.22	2,331.65
Chesterville.....	39.25	708.2	3,175.8	4,448.97	10,862.49	1,824.41
Chippawa.....	41.00	571.4	2,973.6	4,165.71	7,488.12	2,898.26
Clifford.....	48.50	218.5	997.5	1,397.40	3,256.09	1,108.28
Clinton.....	43.50	1,348.7	7,137.5	9,998.91	20,098.33	6,840.89
Cobden.....	31.25	346.1	1,387.2	1,943.33	5,308.54	891.60
Cobourg.....	44.50	4,224.4	21,054.7	29,495.49	64,794.55	10,882.60
Colborne.....	42.75	478.3	2,267.4	3,176.40	7,336.24	1,232.16
Coldwater.....	46.75	242.4	1,080.7	1,513.95	3,719.22	624.45
Collingwood.....	39.75	3,945.6	17,128.3	23,995.00	60,538.53	10,164.37
Comber.....	52.20	215.4	832.6	1,166.39	3,209.89	1,092.55
Cookstown.....	45.75	191.4	738.4	1,034.42	2,936.71	493.07
Cottam.....	49.00	151.4	613.3	859.17	2,256.16	767.93
Courtright.....	48.25	101.5	438.9	614.85	1,512.55	514.83
Creemore.....	41.50	276.8	1,162.2	1,628.12	4,247.03	713.07
Dashwood.....	50.50	181.3	598.6	838.58	2,701.73	919.59
Delaware.....	46.75	155.0	587.6	823.17	2,309.81	786.19
Delhi.....	43.50	1,152.3	5,206.4	7,293.64	17,171.58	5,844.71
Deseronto.....	45.25	556.6	2,640.4	3,698.93	8,537.22	1,433.87
Dorchester.....	47.00	213.7	967.2	1,354.95	3,184.56	1,083.93

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
1,273.31		76.50	153.00	22.66	2,957.61	3,116.68	159.07	38.66
4,101.33	2,127.00	425.40		126.01	17,945.20	17,652.71	292.49	42.18
2,713.66	733.50	146.70		43.46	7,303.70	7,481.67	177.97	49.79
11,873.51		767.20	1,534.40	227.26	30,389.62	32,029.20	1,639.58	39.61
59,066.81		8,568.70	17,137.40	2,538.21	265,036.25	338,462.97	73,426.72	30.93
4,775.46	2,249.00	449.80		133.24	19,443.85	19,342.48	101.37	43.23
6,363.67	1,933.00	386.60		114.52	18,998.43	18,848.36	150.07	49.14
5,475.08	2,323.50	464.70		137.65	20,358.81	19,980.67	378.14	43.81
1,435.65	560.00	112.00		33.18	4,908.04	4,956.37	48.33	43.82
5,394.11		214.20	428.40	63.45	10,305.81	10,604.93	299.12	48.11
29,568.61	16,287.00	3,257.40		964.90	138,204.89	137,626.55	578.34	42.43
7,074.27	3,143.00	628.60		186.20	27,898.14	27,501.23	396.91	44.38
1,234.87	460.00	92.00		27.25	4,172.73	4,230.48	57.75	45.36
8,097.64		396.60	793.20	117.48	17,183.47	17,352.69	169.22	43.33
9,420.67		581.80	1,163.60	172.34	22,750.66	23,561.20	810.54	39.10
35,899.49		2,420.80	4,841.60	717.09	92,427.49	93,199.49	772.00	38.18
3,962.61		223.10	446.20	66.09	9,035.06	9,371.95	336.89	40.50
2,970.20	1,144.00	228.80		67.78	10,508.98	10,522.52	13.54	45.93
105,298.85	61,118.50	12,223.70		3,620.88	511,827.87	528,674.65	16,846.78	41.87
3,488.27		186.10	372.20	55.13	7,739.56	8,468.28	728.72	41.59
13,352.67		905.10	1,810.20	268.11	33,924.13	36,428.58	2,504.45	37.48
12,238.48		708.20	1,416.40	209.78	28,875.93	27,795.54	1,080.39	40.77
3,602.79	2,857.00	571.40		169.26	21,752.54	23,428.75	1,676.21	38.07
3,199.65	1,092.50	218.50		64.72	10,337.14	10,594.82	257.68	47.31
15,511.80	6,743.50	1,348.70		399.51	60,941.64	58,666.99	2,274.65	45.19
3,319.19		346.10	692.20	102.52	11,219.08	10,814.31	404.77	32.42
81,371.89		4,224.40	8,448.80	1,251.34	183,571.47	187,986.52	4,415.05	43.46
8,368.23		478.30	956.60	141.68	19,776.41	20,448.37	671.96	41.35
4,322.50		242.40	484.80	71.80	10,009.52	11,330.24	1,320.72	41.29
55,404.26		3,945.60	7,891.20	1,168.76	147,325.32	156,837.27	9,511.95	37.34
4,348.39	1,077.00	215.40		63.81	11,173.43	11,241.69	68.26	51.87
3,490.55		191.40	382.80	56.70	7,820.05	8,754.26	934.21	40.86
2,417.73	757.00	151.40		44.85	7,254.24	7,416.54	162.30	47.91
1,573.95	507.50	101.50		30.07	4,855.25	4,896.55	41.30	47.83
4,471.95		276.80	553.60	81.99	10,865.36	11,487.16	621.80	39.25
3,403.43	906.50	181.30		53.70	9,004.83	9,156.07	151.24	49.67
2,179.13	775.00	155.00		45.91	7,074.21	7,245.07	170.86	45.64
14,320.12	5,761.50	1,152.30		341.33	51,885.18	50,123.95	1,761.23	45.03
10,444.08		556.60	1,113.20	164.88	23,722.38	25,186.52	1,464.14	42.62
2,980.13	1,068.50	213.70		63.30	9,949.07	10,041.55	92.48	46.56

SOUTHERN ONTARIO
COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Drayton	45.75	211.3	864.9	1,211.64	3,148.79	1,071.76
Dresden	47.50	753.3	3,429.6	4,804.52	11,225.68	3,820.90
Drumbo	48.50	165.2	615.4	862.11	2,461.81	837.93
Dublin	48.50	91.7	457.3	640.63	1,366.51	465.12
Dundalk	41.50	356.3	1,309.2	1,834.06	5,466.82	917.87
Dundas	36.75	4,133.5	18,019.9	25,244.04	61,597.43	20,965.98
Dunnville	47.00	2,395.2	10,694.6	14,982.04	35,693.28	12,148.96
Durham	40.25	743.8	3,438.8	4,817.41	11,412.35	1,916.12
Dutton	52.20	263.3	1,246.8	1,746.64	3,923.70	1,335.51
East York Twp.	38.25	23,963.5	130,781.2	183,211.12	357,104.14	121,547.91
Eganville	45.00	87.9	375.8	526.46	1,348.22	226.44
Elmira	42.50	2,354.9	10,503.3	14,714.05	35,092.73	11,944.55
Elmvale	46.25	377.2	1,556.6	2,180.64	5,787.49	971.72
Elmwood	43.50	138.3	421.8	590.90	2,121.98	356.28
Elora	44.75	732.5	2,823.9	3,956.00	10,915.72	3,715.39
Embro	44.25	235.9	994.4	1,393.05	3,515.38	1,196.53
Erieau	50.25	254.7	1,184.0	1,658.66	3,795.54	1,291.89
Erie Beach	50.75	32.1	101.0	141.49	478.35	162.82
Erin	43.50	229.8	982.8	1,376.80	3,525.89	591.99
Essex	51.00	1,007.4	5,017.7	7,029.29	15,012.28	5,109.74
Etobicoke Twp.	40.50	35,076.4	195,156.6	273,394.48	522,708.60	177,914.87
Exeter	47.25	1,358.5	6,122.4	8,576.86	20,244.37	6,890.60
Fergus	42.00	2,216.6	8,926.8	12,505.54	33,031.78	11,243.06
Finch	38.25	166.6	685.6	960.46	2,555.34	429.18
Flesherton	34.75	198.3	750.2	1,050.95	3,047.60	510.85
Fonthill	41.25	599.8	3,051.2	4,274.42	8,938.22	3,042.31
Forest	52.20	810.6	4,161.6	5,829.98	12,079.56	4,111.53
Forest Hill	38.75	8,782.3	47,353.4	66,337.28	130,873.86	44,545.67
Frankford	32.25	355.9	1,507.2	2,111.43	4,995.01	916.84
Galt	37.25	16,654.7	70,004.3	98,068.88	248,188.38	84,476.14
Georgetown	45.25	2,852.3	14,923.8	20,906.72	42,504.98	14,467.47
Glencoe	48.75	298.9	1,268.9	1,777.60	4,454.21	1,516.08
Goderich	48.75	2,617.8	13,252.1	18,564.84	39,010.46	13,278.03
Grand Valley	50.50	323.9	1,193.1	1,671.41	4,969.70	834.41
Granton	46.75	85.8	307.3	430.50	1,278.59	435.20
Gravenhurst	38.00	1,942.7	9,431.6	13,212.71	29,807.43	5,004.64
Grimsby	46.25	1,435.0	7,771.6	10,887.22	21,384.37	7,278.62
Guelph	38.25	18,457.0	94,690.3	132,651.45	275,046.26	93,617.78
Hagersville	41.50	1,388.8	5,040.4	7,061.09	20,695.90	7,044.29
Hamilton	38.75	195,009.3	1,157,214.2	1,621,139.02	2,906,029.07	989,128.16

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
2,950.84	1,056.50	211.30	.....	62.59	9,713.42	9,667.73	45.69	45.97
12,300.50	3,766.50	753.30	.....	223.14	36,894.54	35,780.14	1,114.40	48.98
2,746.53	826.00	165.20	.....	48.94	7,948.52	8,011.79	63.27	48.11
1,378.77	458.50	91.70	.....	27.16	4,428.39	4,445.43	17.04	48.29
7,010.77	.....	356.30	712.60	105.54	14,978.76	14,785.06	193.70	42.04
20,496.29	20,667.50	4,133.50	.....	1,224.42	154,329.16	151,904.88	2,424.28	37.34
35,714.68	11,976.00	2,395.20	.....	709.50	113,619.66	111,421.63	2,198.03	47.44
11,792.61	.....	743.80	1,487.60	220.32	29,415.01	29,939.62	524.61	39.55
5,078.43	1,316.50	263.30	.....	77.99	13,742.07	13,742.07	.....	54.06
117,726.17	119,817.50	23,963.50	.....	7,098.43	930,468.77	916,603.53	13,865.24	38.83
1,641.09	.....	87.90	175.80	26.04	3,680.35	3,889.67	209.32	41.87
24,087.61	11,774.50	2,354.90	.....	697.56	100,665.90	100,085.02	580.88	42.75
6,553.18	.....	377.20	754.40	111.73	15,227.56	17,445.88	2,218.32	40.37
2,510.89	.....	138.30	276.60	40.97	5,482.72	6,017.85	535.13	39.64
10,814.75	3,662.50	732.50	.....	216.98	34,013.84	32,779.01	1,234.83	46.44
3,045.93	1,179.50	235.90	.....	69.88	10,636.17	10,438.56	197.61	45.09
4,747.72	1,273.50	254.70	.....	75.45	13,097.46	12,796.56	300.90	51.42
602.26	160.50	32.10	.....	9.51	1,587.03	1,626.52	39.49	49.44
4,304.18	.....	229.80	459.60	68.07	9,637.13	9,995.93	358.80	41.94
17,579.42	5,037.00	1,007.40	.....	298.41	51,073.54	51,374.81	301.27	50.70
214,927.66	175,382.00	35,076.40	.....	10,390.27	1,409,794.28	1,420,594.51	10,800.23	40.19
21,386.93	6,792.50	1,358.50	.....	402.41	65,652.17	64,187.53	1,464.64	48.33
24,705.80	11,083.00	2,216.60	.....	656.60	95,442.38	93,098.25	2,344.13	43.06
2,449.27	.....	166.60	333.20	49.35	6,277.00	6,370.84	93.84	37.68
1,882.49	.....	198.30	396.60	58.74	6,352.33	6,891.19	538.86	32.03
5,473.96	2,999.00	599.80	.....	177.67	25,505.38	24,739.67	765.71	42.52
15,188.09	4,053.00	810.60	.....	240.11	42,312.87	42,312.87	.....	54.46
45,048.85	43,911.50	8,782.30	.....	2,601.48	342,100.94	340,312.17	1,788.77	38.96
5,081.90	.....	355.90	711.80	105.42	12,854.70	11,477.77	1,376.93	36.12
86,056.39	83,273.50	16,654.70	.....	4,933.43	621,651.42	620,386.00	1,265.42	37.33
38,010.32	14,261.50	2,852.30	.....	844.90	133,848.19	128,206.70	5,641.49	46.93
5,101.19	1,494.50	298.90	.....	88.54	14,731.02	14,572.17	158.85	49.28
44,364.88	13,089.00	2,617.80	.....	775.44	131,700.45	127,616.91	4,083.54	50.31
8,050.86	.....	323.90	647.80	95.95	15,298.43	16,356.50	1,058.07	47.23
1,178.77	429.00	85.80	.....	25.42	3,863.28	4,010.37	147.09	45.03
20,010.76	.....	1,942.70	3,885.40	575.46	66,668.30	73,824.17	7,155.87	34.32
18,637.04	7,175.00	1,435.00	.....	425.07	67,222.32	66,367.97	854.35	46.84
93,694.24	92,285.00	18,457.00	.....	5,467.30	711,219.03	705,980.56	5,238.47	38.53
15,041.26	6,944.00	1,388.80	.....	411.39	58,586.73	57,633.47	953.26	42.19
849,621.59	975,046.50	195,009.30	.....	57,765.34	7,593,738.98	7,556,608.37	37,130.61	38.94

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Hanover.....	37.00	2,430.5	9,575.9	13,414.86	37,291.90	6,261.28
Harriston.....	45.50	910.0	3,904.3	5,469.53	13,560.82	4,615.71
Harrow.....	49.75	831.7	3,513.4	4,921.91	12,394.00	4,218.56
Hastings.....	43.25	227.3	921.6	1,291.07	3,486.37	585.55
Havelock.....	45.75	293.3	1,351.7	1,893.59	4,498.68	755.58
Hensall.....	46.00	459.3	1,835.8	2,571.77	6,844.49	2,329.67
Hespeler.....	39.50	3,893.4	17,491.5	24,503.81	58,019.46	19,748.14
Highgate.....	52.20	138.7	452.0	633.21	2,066.91	703.52
Holstein.....	43.25	67.0	308.8	432.60	1,028.00	172.60
Huntsville.....	42.75	1,921.2	10,134.6	14,197.54	29,477.55	4,949.26
Ingersoll.....	42.75	4,225.4	18,170.0	25,454.32	62,966.92	21,432.12
Iroquois.....	42.50	470.5	2,253.6	3,157.06	7,216.61	1,212.07
Jarvis.....	48.00	234.4	1,063.0	1,489.15	3,493.03	1,188.93
Kemptville.....	39.25	974.3	4,307.8	6,034.79	14,943.98	2,509.92
Kincardine.....	44.50	1,275.5	6,205.4	8,693.13	19,570.38	3,285.85
Kingston.....	34.25	24,668.6	131,303.8	183,943.24	378,371.09	63,549.48
Kingsville.....	48.25	1,202.7	5,587.5	7,827.52	17,922.64	6,100.35
Kirkfield.....	42.75	56.1	197.4	276.54	860.76	144.52
Kitchener.....	39.25	40,006.5	202,152.0	283,194.33	596,176.96	202,921.38
Lakefield.....	34.50	1,019.3	5,639.2	7,899.94	14,357.63	2,625.85
Lambeth.....	45.00	524.3	2,276.0	3,188.44	7,813.12	2,659.36
Lanark.....	39.50	190.2	762.7	1,068.46	2,917.32	489.98
Lancaster.....	42.25	123.4	551.5	772.60	1,892.73	317.89
La Salle.....	52.20	650.6	2,991.9	4,191.35	9,695.24	3,299.98
Leamington.....	48.25	3,263.0	17,164.6	24,045.85	48,625.23	16,550.62
Lindsay.....	42.25	5,520.8	27,501.5	38,526.80	84,678.95	14,222.29
Listowel.....	46.50	2,074.0	8,873.6	12,431.01	30,906.75	10,519.76
London.....	41.25	49,265.4	281,274.1	394,036.31	734,153.11	249,884.46
London Twp.....	44.75	1,083.5	4,838.8	6,778.67	16,146.32	5,495.74
Long Branch.....	40.25	3,921.6	20,345.4	28,501.83	58,439.69	19,891.18
L'Orignal.....	40.50	66.7	294.0	411.86	1,023.06	171.83
Lucan.....	48.25	387.6	1,740.8	2,438.68	5,776.02	1,965.99
Lucknow.....	43.75	502.7	2,416.0	3,384.57	7,713.08	1,295.02
Lynden.....	45.50	188.3	720.0	1,008.65	2,806.05	955.10
Madoc.....	42.50	541.8	2,287.8	3,204.97	8,310.22	1,395.75
Magnetawan.....	48.75	47.7	196.8	275.70	731.87	122.88
Markdale.....	42.00	376.7	1,638.4	2,295.23	5,779.82	970.43
Markham.....	45.00	770.0	3,551.4	4,975.15	11,474.54	3,905.60
Marmora.....	46.00	347.2	1,581.6	2,215.66	5,325.41	894.43
Martintown.....	39.75	86.4	294.5	412.56	1,325.22	222.58

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
27,717.26		2,430.50	4,861.00	719.96	82,974.76	89,927.87	6,953.11	34.14
11,674.78	4,550.00	910.00		269.56	41,050.40	41,406.50	356.10	45.11
14,269.06	4,158.50	831.70		246.36	41,040.09	41,374.58	334.49	49.34
4,535.21		227.30	454.60	67.33	9,738.23	9,828.55	90.32	42.84
6,709.07		293.30	586.60	86.88	13,650.50	13,419.61	230.89	46.54
6,530.62	2,296.50	459.30		136.05	21,168.40	21,127.43	40.97	46.09
25,253.99	19,467.00	3,893.40		1,153.30	152,039.10	153,788.98	1,749.88	39.05
2,963.61	693.50	138.70		41.09	7,240.54	7,240.54		53.77
1,175.68		67.00	134.00	19.85	2,761.73	2,896.67	134.94	41.22
31,399.52		1,921.20	3,842.40	569.09	78,671.76	82,132.36	3,460.60	40.95
42,664.52	21,127.00	4,225.40		1,251.64	179,121.92	180,636.92	1,515.00	42.39
9,328.95		470.50	941.00	139.37	20,583.56	19,994.46	589.10	43.75
3,178.16	1,172.00	234.40		69.43	10,825.10	11,252.80	427.70	46.18
15,537.39		974.30	1,948.60	288.61	38,340.39	38,242.59	97.80	39.35
27,613.55		1,275.59	2,551.00	377.83	58,265.24	56,758.22	1,607.02	45.68
163,113.95		24,668.60	49,337.20	7,307.29	771,616.45	844,898.11	73,281.66	31.28
15,893.58	6,013.50	1,202.70		356.26	55,316.55	58,032.27	2,715.72	45.99
1,050.53		56.10	112.20	16.62	2,292.87	2,397.19	104.32	40.87
213,112.05	200,032.50	40,006.50		11,850.66	1,547,294.38	1,570,255.09	22,960.71	38.68
8,567.82		1,019.30	2,038.60	301.94	32,733.88	35,166.69	2,432.81	32.11
5,718.46	2,621.50	524.30		155.31	22,680.49	23,593.85	913.36	43.26
3,067.43		190.20	380.40	56.34	7,409.33	7,512.88	103.55	38.96
1,768.73		123.40	246.80	36.55	4,665.10	5,213.28	548.18	37.80
11,974.02	3,253.00	650.60		192.72	33,256.91	33,958.69	701.78	51.12
48,406.42	16,315.00	3,263.00		966.56	158,172.68	157,437.33	735.35	48.47
77,916.78		5,520.80	11,041.60	1,635.36	211,459.38	233,254.49	21,795.11	38.30
27,052.12	10,370.00	2,074.00		614.36	93,968.00	96,440.20	2,472.20	45.31
330,842.97	246,327.00	49,265.40		14,593.32	2,019,102.57	2,032,198.42	13,095.85	40.98
11,226.42	5,417.50	1,083.50		320.95	46,469.10	48,488.48	2,019.38	42.89
26,831.28	19,608.00	3,921.60		1,161.65	158,355.23	157,842.39	512.84	40.38
683.38		66.70	133.40	19.76	2,243.19	2,699.99	456.80	33.63
7,469.45	1,938.00	387.60		114.81	20,090.55	18,703.32	1,387.23	51.83
10,358.75		502.70	1,005.40	148.91	22,397.63	21,992.40	405.23	44.55
2,398.55	941.50	188.30		55.78	8,353.93	8,566.49	212.56	44.37
10,166.78		541.80	1,083.60	160.49	22,696.41	23,028.27	331.86	41.89
1,252.94		47.70	95.40	14.13	2,349.82	2,326.18	23.64	49.26
6,557.07		376.70	753.40	111.59	15,337.44	15,822.45	485.01	40.72
9,935.58	3,850.00	770.00		228.09	35,138.96	34,650.37	488.59	45.64
7,723.34		347.20	694.40	102.85	15,914.49	15,969.68	55.19	45.84
1,102.44		86.40	172.80	25.59	3,001.99	3,434.73	432.74	34.75

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Maxville.....	42.00	256.7	929.0	1,301.43	3,937.31	661.29
Meaford.....	40.75	1,598.9	7,053.2	9,880.81	24,532.41	4,118.97
Merlin.....	50.00	167.7	677.1	948.55	2,499.07	850.61
Merrickville.....	30.25	324.9	1,364.5	1,911.53	4,399.48	836.98
Merritton.....	39.50	12,663.8	70,925.9	99,359.95	188,715.98	64,233.46
Midland.....	37.00	5,480.7	24,579.4	34,433.23	84,092.04	14,118.99
Mildmay.....	40.50	288.4	1,242.5	1,740.62	4,425.01	742.96
Millbrook.....	46.50	242.1	1,091.4	1,528.94	3,713.37	623.68
Milton.....	41.75	2,406.0	10,011.0	14,024.39	35,854.22	12,203.74
Milverton.....	47.00	720.1	2,375.7	3,328.11	10,730.93	3,652.50
Mimico.....	38.25	4,751.9	24,683.2	34,578.64	70,812.83	24,102.64
Mitchell.....	43.25	1,133.0	5,393.9	7,556.30	16,883.97	5,746.81
Moorefield.....	44.50	111.5	458.1	641.75	1,661.57	565.55
Morrisburg.....	41.75	736.5	3,761.8	5,269.90	11,296.56	1,897.32
Mount Brydges.....	48.25	199.7	840.0	1,176.75	2,975.93	1,012.92
Mount Forest.....	40.50	1,038.2	4,383.5	6,140.84	15,929.42	2,674.54
Napanee.....	41.50	2,184.4	10,451.2	14,641.06	33,504.69	5,627.29
Neustadt.....	38.50	191.6	741.6	1,038.91	2,939.78	493.59
Newboro.....	39.25	56.3	200.8	281.30	863.54	145.04
Newburgh.....	41.25	136.2	575.8	806.64	2,089.06	350.87
Newbury.....	52.20	69.2	297.6	416.91	1,031.22	351.00
Newcastle.....	42.75	541.0	2,290.1	3,208.20	8,297.95	1,393.69
New Hamburg.....	43.75	989.2	3,768.2	5,278.86	14,741.06	5,017.43
Newmarket.....	39.50	3,095.9	14,891.4	20,861.33	46,135.11	15,703.06
New Toronto.....	40.25	14,202.9	75,669.9	106,005.81	211,651.65	72,040.09
Niagara.....	38.00	1,456.6	7,641.3	10,704.68	19,584.78	7,388.18
Niagara Falls.....	33.75	14,332.4	76,265.0	106,839.48	198,064.26	72,696.95
North York Twp.....	39.75	51,915.0	273,531.1	383,189.16	773,637.46	263,323.79
Norwich.....	46.25	693.8	3,058.4	4,284.51	10,339.01	3,519.10
Norwood.....	44.00	313.5	1,519.1	2,128.10	4,808.52	807.62
Oakville.....	43.75	4,738.3	23,281.5	32,615.01	70,610.16	24,033.65
Oil Springs.....	52.20	176.2	1,042.6	1,460.58	2,625.73	893.72
Omeme.....	42.25	232.4	1,031.3	1,444.75	3,564.59	598.69
Orangeville.....	44.25	1,464.1	7,038.0	9,859.52	22,464.13	3,771.71
Orono.....	42.00	237.3	980.0	1,372.88	3,639.75	611.32
Oshawa.....	37.00	33,504.3	173,143.9	242,556.94	513,894.52	86,311.37
Ottawa.....	31.00	72,451.0	357,665.3	501,052.59	1,093,778.88	186,643.06
Otterville.....	46.25	216.9	1,032.0	1,445.73	3,232.24	1,100.16
Owen Sound.....	36.25	9,215.6	40,663.7	56,965.70	141,397.74	23,740.57
Paisley.....	45.00	285.5	1,174.8	1,645.77	4,380.51	735.48

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
4,707.24		256.70	513.40	76.04	10,426.61	10,780.35	353.74	40.62
27,770.86		1,598.90	3,197.80	473.62	65,177.77	65,154.79	22.98	40.76
2,945.45	838.50	167.70		49.68	8,299.56	8,385.41	85.85	49.49
4,051.87		324.90	649.80	96.24	10,971.20	9,828.98	1,142.22	33.77
58,507.66	63,319.00	12,663.80		3,751.25	490,551.10	500,221.72	9,670.62	38.74
59,566.23		5,480.70	10,961.40	1,623.48	188,353.27	202,784.97	14,431.70	34.37
4,336.60		288.40	576.80	85.43	11,042.22	11,681.54	639.32	38.29
4,489.05		242.10	484.20	71.71	10,184.65	11,258.06	1,073.41	42.07
24,595.66	12,030.00	2,406.00		712.70	101,826.71	100,449.10	1,377.61	42.32
11,260.99	3,600.50	720.10		213.31	33,506.44	33,845.88	339.44	46.53
24,624.60	23,759.50	4,751.90		1,407.60	184,037.71	181,761.75	2,275.96	38.73
13,118.32	5,665.00	1,133.00		335.62	50,439.02	49,000.09	1,438.93	44.52
1,429.52	557.50	111.50		33.03	5,000.42	4,961.73	38.69	44.85
12,928.38		736.50	1,473.00	218.16	30,873.82	30,748.15	125.67	41.92
2,834.89	998.50	199.70		59.15	9,257.84	9,635.52	377.68	46.36
16,481.28		1,038.20	2,076.40	307.53	40,495.41	42,046.07	1,550.66	39.01
38,200.50		2,184.40	4,368.80	647.06	90,436.20	90,651.91	215.71	41.40
2,695.96		191.60	383.20	56.76	7,033.40	7,375.94	342.54	36.71
699.72		56.30	112.60	16.68	1,949.98	2,209.43	259.45	34.64
2,305.22		136.20	272.40	40.34	5,455.93	5,618.23	162.30	40.06
1,374.76	346.00	69.20		20.50	3,609.59	3,609.59		52.20
10,010.69		541.00	1,082.00	160.25	22,529.78	23,126.33	596.55	41.64
12,988.51	4,946.00	989.20		293.02	44,254.08	43,277.84	976.24	44.74
22,342.91	15,479.50	3,095.90		917.06	124,534.87	122,289.02	2,245.85	40.23
80,589.67	71,014.50	14,202.90		4,207.16	559,711.78	571,668.05	11,956.27	39.41
6,840.71	7,283.00	1,456.60		431.47	53,689.42	55,349.21	1,659.79	36.86
36,212.39	71,662.00	14,332.40		4,245.52	504,053.00	483,718.76	20,334.24	35.17
316,901.55	259,575.00	51,915.00		15,378.18	2,063,920.14	2,065,035.11	1,114.97	39.76
9,493.88	3,469.00	693.80		205.52	32,004.82	32,089.79	84.97	46.13
6,666.52		313.50	627.00	92.86	14,190.12	13,791.81	398.31	45.26
31,551.19	23,691.50	4,738.30		1,403.57	188,643.38	207,301.35	18,657.97	39.81
3,108.62	881.00	176.20		52.19	9,198.04	9,198.04		52.20
3,872.61		232.40	464.80	68.84	9,317.08	9,818.89	501.81	40.09
30,839.61		1,464.10	2,928.20	433.69	65,904.56	64,787.90	1,116.66	45.01
3,818.42		237.30	474.60	70.29	9,275.36	9,968.00	692.64	39.09
298,351.49		33,504.30	67,008.60	9,924.59	1,117,534.61	1,239,659.10	122,124.49	33.35
350,455.63		72,451.00	144,902.00	21,461.32	2,080,940.48	2,245,912.45	164,971.97	28.72
2,705.88	1,084.50	216.90		64.25	9,849.66	10,029.69	180.03	45.41
92,876.92		9,215.60	18,431.20	2,729.83	308,495.16	334,065.19	25,570.03	33.48
5,893.09		285.50	571.00	84.57	12,453.92	12,845.60	391.68	43.62

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Palmerston.....	44.25	844.2	4,133.1	5,790.05	12,580.27	4,281.96
Paris.....	39.00	2,465.7	11,297.5	15,826.64	36,743.87	12,506.55
Parkhill.....	50.50	481.9	2,123.7	2,975.09	7,181.27	2,444.30
Parry Sound.....	40.50	956.6	3,869.6	5,420.91	14,677.40	2,464.32
Penetanguishene.....	39.00	1,685.3	8,489.3	11,892.64	25,858.08	4,341.55
Perth.....	37.50	2,625.3	10,649.6	14,919.00	40,267.29	6,763.11
Peterborough.....	35.50	24,537.2	132,178.9	185,169.15	375,963.14	63,210.97
Petrolia.....	50.25	1,112.6	5,646.8	7,910.59	16,579.97	5,643.34
Pictou.....	40.25	2,289.9	11,498.1	16,107.66	35,122.87	5,899.08
Plattsville.....	46.25	321.3	1,269.6	1,778.58	4,788.01	1,629.70
Point Edward.....	45.00	2,779.2	10,552.1	14,782.41	41,415.65	14,096.69
Port Colborne.....	41.25	3,680.4	19,906.6	27,887.12	54,845.33	18,667.76
Port Credit.....	42.50	2,529.2	14,364.0	20,122.50	37,690.14	12,828.63
Port Dalhousie.....	43.00	1,316.0	8,260.6	11,572.26	19,611.04	6,675.03
Port Dover.....	44.75	1,002.9	5,111.8	7,161.11	14,945.22	5,086.92
Port Elgin.....	44.50	803.5	3,642.0	5,102.07	12,328.34	2,069.92
Port Hope.....	43.25	4,515.9	23,217.9	32,525.90	69,265.62	11,633.54
Port McNicoll.....	36.75	1,211.3	2,559.3	3,585.32	18,585.34	3,120.46
Port Perry.....	41.50	674.8	3,099.1	4,341.52	10,353.66	1,738.37
Port Rowan.....	48.75	178.3	733.2	1,027.14	2,657.03	904.38
Port Stanley.....	47.25	834.2	4,143.0	5,803.92	12,431.25	4,231.24
Prescott.....	41.25	1,928.6	8,761.2	12,273.55	29,581.19	4,968.32
Preston.....	36.75	6,394.6	25,353.2	35,517.25	95,292.34	32,434.76
Priceville.....	50.25	23.1	84.7	118.66	354.43	59.51
Princeton.....	47.00	158.1	692.4	969.98	2,356.01	801.92
Queenston.....	39.00	237.3	1,225.2	1,716.38	3,109.78	1,203.64
Renfrew.....	37.00	2,384.2	10,201.7	14,291.54	36,569.26	6,142.00
Richmond.....	36.75	243.7	968.0	1,356.07	3,737.91	627.80
Richmond Hill.....	45.50	1,523.9	7,089.4	9,931.53	22,709.16	7,729.54
Ridgetown.....	52.00	664.1	2,990.1	4,188.83	9,896.42	3,368.45
Ripley.....	44.50	174.4	718.8	1,006.97	2,675.87	449.28
Riverside.....	48.25	3,219.9	15,478.9	21,684.36	47,982.96	16,332.01
Rockwood.....	47.75	261.2	1,150.6	1,611.87	3,892.40	1,324.86
Rodney.....	52.20	269.7	1,224.4	1,715.26	4,019.07	1,367.98
Rosseau.....	41.75	54.0	205.0	287.18	828.54	139.11
Russell.....	37.25	150.8	609.4	853.71	2,313.00	388.48
St. Catharines.....	38.25	33,326.0	160,976.1	225,511.09	496,624.13	169,036.48
St. Clair Beach.....	48.75	213.6	878.7	1,230.97	3,183.07	1,083.42
St. George.....	45.25	270.8	1,213.8	1,700.41	4,035.46	1,373.55
St. Jacobs.....	42.00	370.2	1,544.3	2,163.41	5,516.72	1,877.73

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
8,655.08	4,221.00	844.20		250.07	36,622.63	37,356.96	734.33	43.38
15,956.21	12,328.50	2,465.70		730.39	96,557.86	96,162.93	394.93	39.16
7,962.44	2,409.50	481.90		142.75	23,597.25	24,336.36	739.11	48.97
16,234.92		956.60	1,913.20	283.36	38,124.31	38,740.61	616.30	39.85
25,071.93		1,685.30	3,370.60	499.22	65,978.12	65,725.39	252.73	39.15
32,798.08		2,625.30	5,250.60	777.66	92,899.84	98,449.96	5,550.12	35.39
203,679.90		24,537.20	49,074.40	7,268.37	810,754.33	871,070.87	60,316.54	33.04
19,853.93	5,563.00	1,112.60		329.57	56,993.00	55,908.57	1,084.43	51.23
31,205.12		2,289.90	4,579.80	678.31	86,723.14	92,167.12	5,443.98	37.87
4,107.49	1,606.50	321.30		95.17	14,326.75	14,862.03	535.28	44.59
33,012.54	13,896.00	2,779.20		823.25	120,805.74	125,064.37	4,258.63	43.47
26,719.25	18,402.00	3,680.40		1,090.20	151,292.06	151,816.49	524.43	41.11
19,240.47	12,646.00	2,529.20		749.20	105,806.14	107,492.76	1,686.62	41.83
11,143.82	6,580.00	1,316.00		389.82	57,287.97	56,586.92	701.05	43.53
12,090.55	5,014.50	1,002.90		297.08	45,598.28	44,877.88	720.40	45.47
16,570.76		803.50	1,607.00	238.01	35,505.60	35,756.86	251.26	44.19
82,879.84		4,515.90	9,031.80	1,337.69	193,126.69	195,313.03	2,186.34	42.77
16,094.29		1,211.30	2,422.60	358.81	40,532.92	44,513.43	3,980.51	33.46
12,066.99		674.80	1,349.60	199.89	28,025.63	28,002.80	22.83	41.53
2,986.49	891.50	178.30		52.82	8,697.66	8,691.71	5.95	48.78
12,552.45	4,171.00	834.20		247.11	40,271.17	39,414.75	856.42	48.28
24,889.62		1,928.60	3,857.20	571.29	70,355.37	79,554.39	9,199.02	36.48
35,147.87	31,973.00	6,394.60		1,894.20	238,654.02	235,000.62	3,653.40	37.32
518.46		23.10	46.20	6.84	1,034.80	1,161.64	126.84	44.80
2,469.19	790.50	158.10		46.83	7,592.53	7,430.71	161.82	48.02
1,224.94	1,186.50	237.30		70.29	8,748.83	9,255.34	506.51	36.87
30,607.21		2,384.20	4,768.40	706.24	85,932.05	88,213.86	2,281.81	36.04
2,210.76		243.70	487.40	72.19	7,761.03	8,954.12	1,193.09	31.85
18,724.61	7,619.50	1,523.90		451.41	68,689.65	69,338.20	648.55	45.07
12,938.27	3,320.50	664.10		196.72	34,573.29	34,531.03	42.26	52.06
3,727.25		174.40	348.80	51.66	7,736.63	7,759.28	22.65	44.36
45,426.48	16,099.50	3,219.90		953.79	151,699.00	155,360.17	3,661.17	47.11
3,871.12	1,306.00	261.20		77.37	12,344.82	12,472.27	127.45	47.26
5,278.36	1,348.50	269.70		79.89	14,078.76	14,078.76		52.20
948.61		54.00	108.00	16.00	2,165.44	2,255.87	90.43	40.10
1,484.33		150.80	301.60	44.67	4,933.39	5,616.97	683.58	32.71
150,748.82	166,630.00	33,326.00		9,871.77	1,251,748.29	1,274,719.49	22,971.20	37.56
3,201.02	1,068.00	213.60		63.27	10,043.35	10,415.03	371.68	47.02
3,080.78	1,354.00	270.80		80.22	11,895.22	12,252.17	356.95	43.93
5,278.47	1,851.00	370.20		109.66	17,167.19	15,548.05	1,619.14	46.37

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
St. Mary's.....	40.25	2,267.8	10,977.0	15,377.66	33,794.76	11,502.76
St. Thomas.....	41.50	9,467.8	54,023.3	75,681.13	141,089.18	48,022.67
Sarnia.....	44.50	21,733.7	133,831.6	187,484.42	323,875.65	110,237.89
Scarborough Twp.....	39.75	33,694.4	183,199.9	256,644.37	502,114.03	170,905.08
Seaforth.....	39.75	1,185.2	5,228.2	7,324.17	17,661.85	6,011.58
Shelburne.....	44.75	560.2	2,416.8	3,385.69	8,595.32	1,443.15
Simcoe.....	39.25	4,029.7	19,139.7	26,812.77	60,050.60	20,439.49
Smith's Falls.....	33.50	4,746.5	21,099.0	29,557.55	72,802.61	12,227.59
Smithville.....	44.75	406.1	1,598.9	2,239.90	6,051.70	2,059.82
Southampton.....	44.50	831.9	3,659.0	5,125.89	12,764.10	2,143.08
Springfield.....	47.25	128.1	532.6	746.12	1,908.95	649.75
Stamford Twp.....	33.50	8,019.3	42,327.4	59,296.37	111,291.01	40,675.58
Stayner.....	40.50	563.3	2,457.0	3,442.01	8,642.88	1,451.13
Stirling.....	35.50	565.6	2,447.7	3,428.98	8,675.27	1,457.06
Stoney Creek.....	41.00	1,118.3	5,676.4	7,952.06	16,664.91	5,672.25
Stouffville.....	43.75	885.0	3,691.6	5,171.55	13,188.27	4,488.91
Stratford.....	40.25	10,666.4	52,788.3	73,951.02	158,950.72	54,102.22
Strathroy.....	41.50	2,053.1	10,376.1	14,535.86	30,595.30	10,413.75
Streetsville.....	42.00	1,079.5	4,868.5	6,820.27	16,086.71	5,475.45
Sunderland.....	40.50	244.7	952.0	1,333.65	3,754.51	630.38
Sundridge.....	52.20	120.9	529.6	741.91	1,855.01	311.45
Sutton.....	46.75	656.7	2,910.5	4,077.31	9,786.15	3,330.92
Swansea.....	41.25	3,958.9	21,748.8	30,467.85	58,995.54	20,080.37
Tara.....	47.75	214.1	810.8	1,135.85	3,285.00	551.55
Tavistock.....	44.50	763.4	3,205.3	4,490.30	11,376.19	3,872.13
Tecumseh.....	49.00	893.3	4,268.4	5,979.59	13,311.96	4,531.01
Teeswater.....	49.00	309.5	1,438.8	2,015.61	4,748.75	797.31
Thamesford.....	49.75	325.3	1,351.7	1,893.59	4,847.62	1,649.99
Thamesville.....	52.20	457.7	1,767.1	2,475.53	6,820.65	2,321.55
Thedford.....	52.20	246.2	1,117.8	1,565.92	3,668.87	1,248.78
Thornbury.....	44.00	328.2	1,049.6	1,470.38	5,035.67	845.49
Thorndale.....	44.75	179.9	716.0	1,003.04	2,680.87	912.49
Thornton.....	36.75	71.9	230.2	322.48	1,103.18	185.22
Thornold.....	39.75	6,020.4	41,363.3	57,945.76	98,657.22	33,580.06
Tilbury.....	51.25	1,354.0	5,930.2	8,307.61	20,177.31	6,867.77
Tillsonburg.....	39.50	2,794.1	12,723.9	17,824.89	41,637.69	14,172.26
Toronto.....	38.75	439,739.1	2,493,987.9	3,493,822.57	6,552,993.18	2,230,449.10
Toronto Twp.....	41.00	13,628.7	73,683.4	103,222.93	203,094.92	69,127.63
Tottenham.....	42.50	223.6	1,013.6	1,419.95	3,430.76	576.02
Trafalgar Twp.....	43.50	2,381.1	11,590.7	16,237.39	35,483.16	12,077.44

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, in- cluding trans- formation, transmission, and distribution	Frequency standard- ization interest and portion of cost written off	Provision for con- tingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
14,509.45	11,339.00	2,267.80	.....	671.76	89,463.19	91,276.94	1,813.75	39.45
64,897.70	47,339.00	9,467.80	.....	2,804.54	389,302.02	392,913.69	3,611.67	41.12
193,407.82	108,668.50	21,733.70	.....	6,437.92	951,845.90	967,151.48	15,305.58	43.80
210,920.48	168,472.00	33,694.40	.....	9,980.90	1,352,731.26	1,339,350.73	13,380.53	40.15
8,722.23	5,926.00	1,185.20	.....	351.08	47,182.11	47,112.35	69.76	39.81
12,622.09	.....	560.20	1,120.40	165.94	25,651.99	25,069.68	582.31	45.79
25,552.35	20,148.50	4,029.70	.....	1,193.67	158,227.08	158,164.41	62.67	39.27
35,367.13	.....	4,746.50	9,493.00	1,406.00	146,614.38	159,006.34	12,391.96	30.89
5,756.10	2,030.50	406.10	.....	120.29	18,664.41	18,172.60	491.81	45.96
16,389.61	.....	831.90	1,663.80	246.42	35,837.20	37,018.41	1,181.21	43.08
1,787.75	640.50	128.10	.....	37.95	5,899.12	6,052.72	153.60	46.05
22,302.99	40,096.50	8,019.30	.....	2,375.46	284,057.21	268,646.54	15,410.67	35.42
9,145.49	.....	563.30	1,126.60	166.86	22,285.07	22,813.97	528.90	39.56
6,384.83	.....	565.60	1,131.20	167.54	19,548.08	20,079.37	531.29	34.56
9,292.37	5,591.50	1,118.30	.....	331.26	46,622.65	45,849.28	773.37	41.69
11,714.35	4,425.00	885.00	.....	262.15	40,135.23	38,716.92	1,418.31	45.35
64,213.05	53,332.00	10,666.40	.....	3,159.58	418,374.99	429,323.60	10,948.61	39.22
15,994.01	10,265.50	2,053.10	.....	608.17	84,465.69	85,202.59	736.90	41.14
9,254.24	5,397.50	1,079.50	.....	319.77	44,433.44	45,338.30	904.86	41.16
4,325.53	.....	244.70	489.40	72.48	9,871.85	9,908.98	37.13	40.34
3,485.12	.....	120.90	241.80	35.81	6,308.40	6,308.40	.....	52.20
10,008.69	3,283.50	656.70	.....	194.53	31,337.80	30,700.72	637.08	47.72
21,760.43	19,794.50	3,958.90	.....	1,172.70	156,230.29	163,305.99	7,075.70	39.46
4,432.87	.....	214.10	428.20	63.42	9,254.59	10,222.85	968.26	43.23
9,183.76	3,817.00	763.40	.....	226.13	33,728.91	33,972.02	243.11	44.18
13,499.71	4,466.50	893.30	.....	264.61	42,946.68	43,773.33	826.65	48.08
6,980.66	.....	309.50	619.00	91.68	14,324.51	15,167.12	842.61	46.28
5,724.48	1,626.50	325.30	.....	96.36	16,163.84	16,182.42	18.58	49.69
9,391.55	2,288.50	457.70	.....	135.58	23,891.06	23,891.06	.....	52.20
4,520.37	1,231.00	246.20	.....	72.93	12,554.07	12,849.88	295.81	50.99
6,055.27	.....	328.20	656.40	97.22	13,175.83	14,440.06	1,264.23	40.15
2,472.94	899.50	179.90	.....	53.29	8,202.03	8,052.01	150.02	45.59
876.48	.....	71.90	143.80	21.30	2,436.76	2,643.85	207.09	33.89
30,413.50	33,102.00	6,620.40	.....	1,961.08	262,280.02	263,162.55	882.53	39.62
26,053.11	6,770.00	1,354.00	.....	401.08	69,930.88	69,390.34	540.54	51.65
18,297.72	13,970.50	2,794.10	.....	827.66	109,524.82	110,365.31	840.49	39.20
2,001,266.56	2,198,695.50	439,739.10	.....	130,258.80	17,047,224.81	17,039,888.13	7,336.63	38.77
87,607.19	68,143.50	13,628.70	.....	4,037.07	548,861.94	558,775.32	9,913.38	40.27
4,256.25	.....	223.60	447.20	66.23	9,525.61	9,502.62	22.99	42.60
23,016.39	11,905.50	2,381.10	.....	705.33	101,806.31	103,579.64	1,773.33	42.76

SOUTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,
For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Trenton.....	32.00	7,968.4	42,530.1	59,580.33	117,081.68	20,527.62
Tweed.....	44.75	713.9	3,245.4	4,546.47	10,949.92	1,839.10
Uxbridge.....	42.00	831.2	3,585.7	5,023.20	12,753.35	2,141.28
Vankleek Hill.....	40.50	141.0	642.9	900.64	2,162.68	363.23
Victoria Harbour.....	48.75	201.0	831.6	1,164.99	3,084.00	517.80
Walkerton.....	37.00	1,712.5	6,877.8	9,635.10	25,646.41	4,411.62
Wallaceburg.....	45.75	6,853.5	37,497.2	52,529.75	102,130.87	34,762.39
Wardsville.....	52.20	100.0	448.6	628.44	1,490.20	507.22
Warkworth.....	41.00	171.1	617.2	864.63	2,624.36	440.78
Waterdown.....	42.00	582.6	2,785.6	3,902.34	8,681.91	2,955.07
Waterford.....	43.75	656.0	2,925.4	4,098.19	9,775.71	3,327.37
Waterloo.....	38.75	9,679.1	43,502.7	60,942.84	144,237.97	49,094.43
Watford.....	45.75	665.4	2,653.7	3,717.56	9,915.79	3,375.05
Waubauskene.....	44.25	198.9	756.8	1,060.20	3,051.78	512.39
Welland.....	38.50	11,532.2	57,407.6	80,422.19	171,852.87	58,493.74
Wellesley.....	44.75	275.0	997.2	1,396.98	4,098.05	1,394.86
Wellington.....	40.25	397.1	1,561.0	2,186.80	6,090.79	1,022.98
West Lorne.....	51.00	749.1	2,598.6	3,640.37	11,163.09	3,799.59
Weston.....	40.00	6,469.4	34,056.5	47,709.68	96,407.01	32,814.16
Westport.....	40.00	215.0	919.6	1,288.27	3,297.71	553.87
Wheatley.....	51.75	492.2	2,104.6	2,948.33	7,334.77	2,496.54
Whitby.....	37.50	2,901.9	14,836.4	20,784.28	44,509.82	7,475.67
Warton.....	46.50	730.8	3,849.6	5,392.90	11,212.89	1,882.63
Williamsburg.....	46.75	139.9	616.0	862.95	2,145.81	360.40
Winchester.....	38.25	674.2	2,809.8	3,936.24	10,340.99	1,736.83
Windermere.....	39.25	103.4	399.2	559.23	1,586.50	266.37
Windsor.....	44.25	65,666.2	327,718.3	459,099.90	978,557.87	333,072.77
Wingham.....	41.50	1,195.8	6,387.8	8,948.66	18,347.53	3,080.53
Woodbridge.....	42.50	1,571.1	8,280.5	11,600.14	23,412.54	7,968.95
Woodstock.....	39.25	11,527.0	57,986.0	81,232.47	171,775.38	58,467.37
Woodville.....	45.75	137.1	536.0	750.88	2,103.57	353.19
Wyoming.....	49.00	229.2	892.7	1,250.58	3,415.54	1,162.55
York Twp.....	38.50	38,297.5	211,297.2	296,005.82	570,709.44	194,252.97
Zurich.....	49.25	261.6	929.2	1,301.71	3,898.36	1,326.89
Ontario Central Reformatory..	36.10	373.3	1,674.8	2,346.22	5,562.92	1,893.46
Total—Municipalities.....		1,723,808.3	9,176,669.7	12,855,577.90	25,768,129.65	7,981,699.54
Total—Rural Power District.....		280,927.9	1,321,801.7	1,851,709.31	4,220,638.73	1,176,841.52
Total—Companies.....		520,445.0	4,877,372.9	6,854,120.46	7,830,644.53	2,676,800.14
Total—Local Distribution Systems.....		6,320.2	30,995.1	43,420.97	96,666.58	18,304.22
Grand Total.....		2,531,501.4	15,406,839.4	21,604,828.64	37,916,079.49	11,853,645.42

SYSTEM

AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges								
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$	\$	\$
43,868.53		7,968.40	15,936.80	2,360.39	235,450.15	254,989.88	19,539.73	29.55
11,685.72		713.90	1,427.80	211.47	28,518.78	31,944.78	3,426.00	39.95
12,606.39		831.20	1,662.40	246.22	31,939.24	34,912.15	2,972.91	38.43
1,513.68		141.00	282.00	41.77	4,841.00	5,708.46	867.46	34.33
4,053.24		201.00	402.00	59.54	8,678.57	9,798.74	1,120.17	43.18
22,894.41		1,712.50	3,425.00	507.27	61,382.31	63,362.18	1,979.87	35.84
68,819.57	34,267.50	6,853.50		2,030.13	301,393.71	313,546.87	12,153.16	43.98
1,962.79	500.00	100.00		29.62	5,218.27	5,218.27		52.20
2,913.64		171.10	342.20	50.68	6,722.99	7,013.73	290.74	39.29
5,555.24	2,913.00	582.60		172.58	24,762.74	24,470.95	291.79	42.50
7,509.07	3,280.00	656.00		194.32	28,840.66	28,699.25	141.41	43.96
57,692.30	48,395.50	9,679.10		2,867.13	372,909.27	375,063.51	2,154.24	38.52
10,131.77	3,327.00	665.40		197.10	31,329.67	30,443.95	885.72	47.08
3,719.33		198.90	397.80	58.92	8,203.72	8,803.17	599.45	41.25
62,555.34	57,661.00	11,532.20		3,416.05	445,933.39	443,991.96	1,941.43	38.67
3,616.01	1,375.00	275.00		81.46	12,237.36	12,304.37	67.01	44.50
7,060.29		397.10	794.20	117.63	16,081.39	15,983.59	97.80	40.50
15,783.47	3,745.50	749.10		221.90	39,103.02	38,203.67	899.35	52.20
40,642.48	32,347.00	6,469.40		1,916.36	258,306.09	258,774.00	467.91	39.93
2,896.29		215.00	430.00	63.69	7,884.83	8,601.67	716.84	36.67
9,576.34	2,461.00	492.20		145.80	25,454.98	25,470.91	15.93	51.72
32,105.28		2,901.90	5,803.80	859.60	102,832.75	108,822.80	5,990.05	35.44
13,324.38		730.80	1,461.60	216.48	31,298.48	33,981.00	2,682.52	42.83
2,867.07		139.90	279.80	41.44	6,137.77	6,540.30	402.53	43.87
11,691.50		674.20	1,348.40	199.71	27,231.07	25,788.78	1,442.29	40.39
1,478.43		103.40	206.80	30.63	3,817.76	4,058.76	241.00	36.92
652,769.93	328,331.00	65,666.20		19,451.53	2,836,949.20	2,905,727.85	68,778.65	43.20
23,036.78		1,195.80	2,391.60	354.22	52,571.92	49,623.96	2,947.96	43.96
16,207.16	7,855.50	1,571.10		465.39	69,080.78	66,770.32	2,310.46	43.97
67,110.74	57,635.00	11,527.00		3,414.51	451,162.47	452,432.78	1,270.31	39.14
2,866.27		137.10	274.20	40.61	5,977.42	6,271.18	293.76	43.60
4,175.72	1,146.00	229.20		67.89	11,447.48	11,232.83	214.65	49.95
179,909.96	191,487.50	38,297.50		11,344.42	1,482,007.61	1,474,453.41	7,554.20	38.70
4,455.95	1,308.00	261.60		77.49	12,630.00	12,882.55	252.55	48.28
2,261.16	1,866.50	373.30		110.58	14,414.14	13,475.21	938.93	38.61
11,413,018.38	7,093,013.00	1,723,808.30	610,411.40	510,623.67	66,735,459.04	67,690,079.23	954,620.19	
3,439,827.79	907,693.00	280,927.90	198,778.60	83,216.00	11,762,075.65	11,762,075.65		
3,034,802.88	2,769,234.07	520,445.00		798,200.19	22,887,846.89	22,887,846.89		
203,534.06	4,051.50	12,646.79		204,360.52	582,984.64	582,984.64		
18,091,183.11	10,773,991.57	2,537,827.99	809,190.00		101,968,366.22	102,922,986.41	954,620.19	

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$89,465,736.66 as follows:

Power supply—based on energy	\$21,604,828.64
—based on peak load	37,916,079.49
Bulk transmission	11,853,645.42
Divisional costs including transformation, transmission, and distribution	18,091,183.11
	<u>\$89,465,736.66</u>

This total includes the following items of cost shown in the statement of operations:

Cost of power purchased	\$13,508,995.78
Interchange of power with Northern Ontario Properties	154,734.33
Operating, maintenance and administrative expenses	32,443,335.50
Interest	28,040,598.54
Allowance for depreciation	7,966,970.53
Provision for sinking fund	7,660,570.64
	<u>\$89,465,736.66</u>

2. Frequency standardization interest and portion of cost written off are as follows:

Interest	\$2,297,620.00
Portion of cost written off	8,476,371.57
	<u>\$10,773,991.57</u>

This represents a charge to all customers in the Niagara Division at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$10,063,598.00, and an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$710,393.57. The latter amount is included in the \$2,769,234.07 shown as charged to companies.

3. The provision for contingencies \$2,537,827.99 consists of a charge of \$1 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System and \$6,326.59 additional for the distribution facilities of the local systems.

4. The withdrawal of \$809,190.00 from stabilization of rates reserve was credited to all municipal customers and the Rural Power District in the Eastern Ontario and Georgian Bay Divisions at the rate of \$2.00 per kilowatt of the average monthly peak load supplied.

5. The method used in 1952 of allocating the cost of power supplied to each customer was followed in 1953 with the following exceptions:

(a) In calculating the peak demand for company loads the recorded demand was not increased for energy taken in excess of the contracted load factor. In 1952 a hypothetical demand was estimated for this excess energy. The recorded demand for company loads supplied on an interruptible basis was reduced by 25 per cent in arriving at the demand load used for cost allocation. In 1952 the reduction was 15 per cent. In 1952 a hypothetical demand was estimated for steel-furnace loads. In 1953 no demand was assigned but costs were apportioned on the basis of kilowatt-hours.

(b) A portion of the costs of bulk transmission was allocated to all loads in the Southern Ontario System on a kilowatt basis. In 1952 these costs were allocated entirely to the Niagara Division except for a small portion assigned to the other two divisions.

6. Interchange of power between the Southern Ontario System and Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$154,734.33 represents the cost of 116,188,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 89,648,000 kilowatt-hours of energy transferred to the Southern Ontario System. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange. This energy is not included in the cost of power statement in the total of "Energy supplied during the year—15,406,839,000 kilowatt-hours."

SOUTHERN ONTARIO SYSTEM

SINKING FUND

Statement showing amount paid as part of the cost of power by each municipality, together with the proportionate share of other sinking funds provided out of revenues of the system, and interest allowed thereon to December 31, 1953

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Acton.....	36	214,900.82	Brechin.....	34	16,383.38
Agincourt.....	30	37,542.52	Bridgeport.....	26	23,166.89
Ailsa Craig.....	33	35,947.64	Brigden.....	31	28,299.87
Alexandria.....	29	75,524.11	Brighton.....	24	44,376.38
Alliston.....	30	70,912.79	Brockville.....	33	557,463.26
Almonte.....	9	16,766.47	Bronte.....	2	3,319.19
Alvinston.....	30	35,826.99	Brussels.....	30	36,925.13
Amherstburg.....	30	164,292.92	Burford.....	33	39,444.08
Ancaster Twp.....	30	55,889.03	Burgessville.....	32	13,755.59
Apple Hill.....	29	8,145.92	Burks Falls.....	4	2,970.81
Arkona.....	27	17,648.95	Burlington.....	9	68,379.25
Arnprior.....	15	74,513.02	Caledonia.....	36	61,265.85
Arthur.....	32	48,167.63	Campbellville.....	29	8,237.47
Athens.....	25	18,639.58	Cannington.....	34	40,153.02
Aurora.....	11	62,782.48	Cardinal.....	24	27,305.34
Aylmer.....	30	138,233.05	Carleton Place.....	29	219,222.59
Ayr.....	34	41,354.25	Casselman.....	2	965.16
Baden.....	36	81,531.76	Cayuga.....	29	27,964.09
Bancroft.....	4	3,431.54	Chatham.....	33	1,090,798.98
Barrie.....	35	471,827.65	Chatsworth.....	33	14,137.37
Barry's Bay.....	4	2,130.78	Chesley.....	32	95,391.04
Bath.....	22	7,591.10	Chesterville.....	34	66,958.63
Beachville.....	36	110,412.80	Chippawa.....	32	45,686.82
Beamsville.....	17	34,474.49	Clifford.....	30	21,448.78
Beaverton.....	34	51,913.33	Clinton.....	34	127,489.71
Becton.....	30	36,316.41	Cobden.....	18	12,088.08
Belle River.....	31	33,460.85	Cobourg.....	22	205,610.13
Belleville.....	25	619,216.47	Colborne.....	21	21,336.28
Blenheim.....	33	102,092.41	Coldwater.....	35	34,429.95
Bloomfield.....	25	19,463.78	Collingwood.....	35	366,544.81
Blyth.....	30	29,396.01	Comber.....	33	42,398.36
Bobcaygeon.....	8	7,697.66	Cookstown.....	30	15,379.24
Bolton.....	33	44,983.35	Cottam.....	27	13,866.12
Bothwell.....	33	40,191.92	Courtright.....	30	14,463.28
Bowmanville.....	22	238,834.35	Creemore.....	34	29,966.58
Bradford.....	30	53,340.79	Dashwood.....	31	22,738.41
Braeside.....	9	6,278.32	Delaware.....	33	10,702.25
Brampton.....	37	461,101.58	Delhi.....	16	43,698.63
Brantford.....	34	2,549,859.20	Deseronto.....	33	28,794.06
Brantford Twp.....	30	160,253.07	Dorchester.....	34	20,557.27

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Drayton.....	30	32,434.19	Hanover.....	32	214,751.12
Dresden.....	33	87,181.19	Harriston.....	32	91,860.33
Drumbo.....	34	18,128.96	Harrow.....	30	80,795.60
Dublin.....	31	13,719.19	Hastings.....	23	14,394.88
Dundalk.....	33	35,147.01	Havelock.....	25	32,149.00
Dundas.....	37	378,135.19	Hensall.....	32	44,968.53
Dunnville.....	31	183,019.30	Hespeler.....	37	336,998.13
Durham.....	33	77,911.56	Highgate.....	32	23,023.54
Dutton.....	33	48,294.88	Holstein.....	32	6,719.08
East York Twp.....	29	1,048,166.70	Huntsville.....	32	171,269.62
Eganville.....	2	513.61	Ingersoll.....	37	481,124.79
Elmira.....	35	207,728.48	Iroquois.....	14	15,179.40
Elmvale.....	35	37,560.98	Jarvis.....	30	37,878.81
Elmwood.....	30	12,457.94	Kemptville.....	29	61,287.51
Elora.....	34	93,194.32	Kincardine.....	29	122,848.69
Embro.....	34	28,930.46	Kingston.....	16	783,168.04
Ericau.....	30	22,467.86	Kingsville.....	30	113,425.74
Erie Beach.....	29	4,451.16	Kirkfield.....	29	7,873.69
Erin.....	4	2,925.66	Kitchener.....	37	3,557,020.68
Essex.....	30	93,275.17	Lakefield.....	25	46,202.57
Etobicoke Twp.....	31	1,055,391.77	Lambeth.....	33	28,605.28
Exeter.....	32	122,269.60	Lanark.....	29	17,765.67
Fergus.....	34	188,028.15	Lancaster.....	29	14,721.06
Finch.....	26	13,853.25	La Salle.....	28	46,508.04
Flesherton.....	33	16,455.26	Leamington.....	30	275,632.90
Fonthill.....	28	25,393.51	Lindsay.....	25	343,280.97
Forest.....	31	96,659.13	Listowel.....	32	218,781.22
Forest Hill.....	30	608,816.28	London.....	37	6,092,065.73
Frankford.....	5	4,607.32	London Twp.....	29	68,359.07
Galt.....	37	1,481,280.76	Long Branch.....	23	140,389.26
Georgetown.....	35	291,316.00	L'Orignal.....	1	234.24
Glencoe.....	30	51,306.82	Lucan.....	33	45,778.49
Goderich.....	34	322,870.60	Lucknow.....	29	57,028.55
Grand Valley.....	32	32,564.44	Lynden.....	33	29,864.96
Granton.....	32	18,492.35	Madoc.....	24	30,029.65
Gravenhurst.....	33	107,134.90	Magnetawan.....	3	519.39
Grimsby.....	12	43,961.74	Markdale.....	32	29,135.96
Guelph.....	37	1,725,668.77	Markham.....	30	57,213.74
Hagersville.....	35	185,787.07	Marmora.....	25	19,195.27
Hamilton.....	37	14,884,168.03	Martintown.....	29	6,057.28

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
Maxville.....	29	24,581.20	Palmerston.....	32	108,860.02
Meaford.....	29	99,963.83	Paris.....	34	282,809.75
Merlin.....	30	27,107.96	Parkhill.....	30	51,693.89
Merrickville.....	4	3,577.00	Parry Sound.....	6	13,568.70
Merritton.....	32	666,835.56	Penetanguishene....	37	163,763.82
Midland.....	35	558,337.19	Perth.....	29	200,312.40
Mildmay.....	21	15,045.66	Peterborough.....	25	1,197,108.91
Millbrook.....	15	8,643.03	Petrolia.....	32	236,496.70
Milton.....	35	253,200.16	Pictou.....	25	166,806.96
Milverton.....	32	99,829.78	Plattsville.....	34	27,066.65
Mimico.....	36	382,224.16	Point Edward.....	31	201,294.77
Mitchell.....	37	120,138.40	Port Colborne.....	32	329,076.12
Moorefield.....	30	15,772.14	Port Credit.....	36	128,615.92
Morrisburg.....	16	23,088.62	Port Dalhousie.....	32	107,626.73
Mount Brydges....	33	19,869.90	Port Dover.....	30	78,100.34
Mount Forest.....	33	92,872.99	Port Elgin.....	23	52,404.10
Napanee.....	24	140,610.69	Port Hope.....	24	240,657.99
Neustadt.....	30	15,034.49	Port McNicoll.....	34	25,532.01
Newboro.....	5	959.20	Port Perry.....	29	51,777.21
Newburgh.....	5	1,835.93	Port Rowan.....	27	19,627.15
Newbury.....	30	10,976.75	Port Stanley.....	36	109,249.85
Newcastle.....	17	16,879.49	Prescott.....	34	144,273.03
New Hamburg.....	37	122,442.35	Preston.....	37	638,684.83
Newmarket.....	9	72,824.65	Priceville.....	29	2,495.37
New Toronto.....	34	1,285,037.16	Princeton.....	34	25,058.31
Niagara.....	30	91,811.13	Queenston.....	30	18,106.63
Niagara Falls.....	33	1,367,770.93	Renfrew.....	9	35,728.38
North York Twp....	30	1,164,648.18	Richmond.....	26	11,277.84
Norwich.....	36	89,185.23	Richmond Hill.....	29	69,375.86
Norwood.....	25	20,592.00	Ridgetown.....	33	105,960.78
Oakville.....	5	66,262.06	Ripley.....	29	21,499.65
Oil Springs.....	30	53,378.35	Riverside.....	31	233,872.44
Omeme.....	14	10,448.66	Rockwood.....	35	28,510.87
Orangeville.....	32	127,981.66	Rodney.....	31	34,800.15
Orono.....	15	7,790.78	Rosseau.....	23	10,049.55
Oshawa.....	25	1,803,299.15	Russell.....	28	15,042.52
Ottawa.....	38	1,509,340.87	St. Catharines.....	32	2,115,423.04
Otterville.....	32	23,185.31	St. Clair Beach.....	31	18,754.78
Owen Sound.....	33	663,604.75	St. George.....	33	34,567.25
Paisley.....	29	29,312.11	St. Jacobs.....	31	44,167.50

SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES
(concluded)

Municipality	Period of years to Dec. 31, 1953	Amount	Municipality	Period of years to Dec. 31, 1953	Amount
		\$			\$
St. Mary's.....	37	316,632.32	Trenton.....	22	340,737.54
St. Thomas.....	37	1,221,549.49	Tweed.....	23	38,226.90
Sarnia.....	32	1,672,957.02	Uxbridge.....	29	58,047.45
Scarborough Twp....	30	814,683.35	Vankleek Hill.....	1	507.39
Seaforth.....	37	152,280.24	Victoria Harbour....	34	16,933.37
Shelburne.....	32	51,526.34	Walkerton.....	23	84,242.56
Simcoe.....	33	316,222.59	Wallaceburg.....	33	580,360.46
Smith's Falls.....	30	305,200.21	Wardsville.....	30	10,541.95
Smithville.....	13	15,028.73	Warkworth.....	25	11,908.59
Southampton.....	23	51,041.83	Waterdown.....	37	54,970.02
Springfield.....	31	21,154.32	Waterford.....	33	79,550.15
Stamford Twp.....	32	311,260.29	Waterloo.....	37	736,261.43
Stayner.....	35	45,880.36	Watford.....	31	66,930.49
Stirling.....	24	30,365.90	Waubushene.....	34	14,187.55
Stoney Creek.....	7	16,695.76	Welland.....	31	922,511.55
Stouffville.....	30	54,849.51	Wellesley.....	32	36,821.18
Stratford.....	37	1,394,465.11	Wellington.....	25	31,489.59
Strathroy.....	34	229,207.26	West Lorne.....	32	67,516.16
Streetsville.....	19	27,180.28	Weston.....	37	626,107.88
Sunderland.....	34	25,525.43	Westport.....	22	17,006.00
Sundridge.....	2	967.08	Wheatley.....	30	42,040.95
Sutton.....	30	51,770.98	Whitby.....	25	163,788.36
Swansea.....	28	275,374.35	Wiarton.....	23	50,841.44
Tara.....	30	22,750.31	Williamsburg.....	33	15,850.66
Tavistock.....	32	112,072.14	Winchester.....	34	55,055.53
Tecumseh.....	31	75,163.91	Windermere.....	24	8,015.15
Teeswater.....	29	33,333.56	Windsor.....	34	7,741,623.61
Thamesford.....	34	43,771.59	Wingham.....	29	112,766.22
Thamesville.....	33	45,722.67	Woodbridge.....	34	100,231.78
Thedford.....	30	26,669.89	Woodstock.....	37	1,072,160.92
Thornbury.....	9	6,867.29	Woodville.....	34	22,616.40
Thorndale.....	34	21,294.56	Wyoming.....	32	22,277.17
Thornton.....	30	8,391.26	York Twp.....	33	2,252,174.72
Thorold.....	31	311,449.52	Zurich.....	31	33,061.88
Tilbury.....	33	140,677.35			
Tillsonburg.....	37	237,441.37	Total—Municipalities....		\$137,826,260.53
Toronto.....	37	47,484,922.36	Total—Rural Power Dis-		
Toronto Twp.....	35	459,832.41	trict.....		19,328,133.37
Tottenham.....	30	27,410.27			
Trafalgar.....	17	60,164.13	Grand Total.....		\$157,154,393.90

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
GENERATING STATIONS				
Northeastern Division				
Abitibi River				
Abitibi Canyon.....	9,070.99	5,530,862.63	13,541,667.79	19,081,601.41
Frederick House Dam.....	74,789.70	144,196.72	752,212.94	971,199.36
Coral, Otter, Sextant, and Nine Mile Rapids.....	170,900.00			170,900.00
Watabeag Lake Dam.....		6,983.63	64,565.68	71,549.31
Desserat Lake Diversion...	1,300.00	4,220.89	34,471.80	39,992.69
Mississagi River				
George W. Rayner.....		1,740,000.00	16,690,277.18	18,430,277.18
Aubrey Falls.....	43,893.66			43,893.66
Rocky Island Storage Dam.....		1,445,100.58	1,703,681.72	3,148,782.30
Mattagami River				
Wawaitin.....	24,588.07		1,449,013.71	1,473,601.78
Lower Sturgeon.....	23,181.06	53,250.00	898,535.01	974,966.07
Sandy Falls.....	5,980.84		861,235.76	867,216.60
Storage dams.....		1,944.00	288,648.68	290,592.68
Intangible.....		990,591.44		990,591.44
Montreal River				
Upper Notch.....	1,581.76	15,900.17	2,378,781.71	2,396,263.64
Hound Chute.....		3,240.00	648,838.94	652,078.94
Indian Chute.....			575,265.42	575,265.42
Fountain Falls.....			560,765.32	560,765.32
Ragged Chute.....			959,172.00	959,172.00
Storage dams.....			178,471.78	178,471.78
Wanapitei River				
Stinson.....		33,000.00	667,140.36	700,140.36
Coniston.....	5,073.39	15,092.20	771,031.96	791,197.55
McVittie.....	14,405.06	13,323.00	460,766.45	488,494.51
Storage dam.....		25.00	194,870.00	194,895.00
Intangible.....		830,514.53		830,514.53
Matabitehuan River				
Matabitchuan.....	112,013.61	3,240.00	920,921.95	1,036,175.56
Storage dams.....	2.70	14,374.75	134,545.12	148,922.57
Sturgeon River				
Crystal Falls and storage dams.....	9,855.31	49,966.82	1,444,983.26	1,504,805.39
South River				
Nipissing.....		13,549.37	374,086.14	387,635.51
Elliott Chute.....		119,307.09	334,565.33	453,872.42
Bingham Chute.....		12,105.05	283,098.86	295,203.91
Storage dams.....			76,122.70	76,122.70
Intangible.....		69,478.34		69,478.34
Kagawong River				
Kagawong.....		43,396.98	167,129.57	210,526.55
Inactive.....		2.00		2.00

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1953

Power System

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
Northwestern Division				
Nipigon River				
Pine Portage.....	2,556,053.96	2,456,622.30	24,156,610.20	29,169,286.46
Cameron Falls.....		857,418.84	9,613,692.94	10,471,111.78
Alexander.....	32,793.40	80,379.73	7,117,986.74	7,231,159.87
Virgin Falls Dam.....		55,450.41	431,190.80	486,641.21
Aguasabon River				
Aguasabon.....	32.40	937,004.94	11,741,990.95	12,679,028.29
Kaministiquia River				
Kakabeka Falls.....		518,603.86	3,763,867.72	4,282,471.58
English River				
Ear Falls.....		566.75	3,759,591.50	3,760,158.25
Manitou Falls.....	92,375.14			92,375.14
Albany River				
Rat Rapids.....		39,297.44	910,865.94	950,163.38
Winnipeg River				
Boundary Falls.....	25,519.57			25,519.57
Intangible—Rainy River.....		4,086.32	16,399.00	20,485.32
	3,203,410.62	16,103,095.78	108,927,062.93	128,233,569.33
TRANSFORMER STATIONS				
Northeastern Division.....	730,687.99		13,089,021.40	13,819,709.39
Northwestern Division.....	310,038.86		4,381,900.81	4,691,939.67
	1,040,726.85		17,470,922.21	18,511,649.06
TRANSMISSION LINES				
Northeastern Division.....	825,159.59	2,127,381.00	16,708,745.81	19,661,286.40
Northwestern Division.....	688,070.64	1,518,693.00	13,080,350.50	15,287,114.14
	1,513,230.23	3,646,074.00	29,789,096.31	34,948,400.54
LOCAL SYSTEMS				
Northeastern Division.....	107,018.55		2,289,623.20	2,396,641.75
Northwestern Division.....	44,283.74		508,177.26	552,461.00
	151,302.29		2,797,800.46	2,949,102.75
COMMUNICATIONS				
Northern Ontario Properties..	84,591.44		3,035,989.62	3,120,581.06
Total power system.....	5,993,261.43	19,749,169.78	162,020,871.53	187,763,302.74

NORTHERN ONTARIO PROPERTIES

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

FIXED ASSETS—December 31, 1953

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
ADMINISTRATIVE AND SERVICE BUILDINGS	\$	\$	\$	\$
Northeastern Division.....	28,971.93	.....	336,726.67	365,698.60
Northwestern Division.....	5,967.61	.....	295,869.37	301,836.98
	34,939.54	.....	632,596.04	667,535.58
OFFICE AND SERVICE EQUIPMENT				
			508,960.37	508,960.37
Total administrative and service buildings and equipment.	34,939.54	.....	1,141,556.41	1,176,495.95

NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—Summary, December 31, 1953

	Power system	Administrative and service buildings and equipment	Rural Power District	Total
	\$	\$	\$	\$
Under construction.....	5,993,261.43	34,939.54	1,313,436.32	7,341,637.29
In service				
Depreciable.....	162,020,871.53	1,141,556.41	23,407,796.03	186,570,223.97
Non-depreciable.....	19,749,169.78	.....	3,324.62	19,752,494.40
	181,770,041.31	1,141,556.41	23,411,120.65	206,322,718.37
Total fixed assets.....	187,763,302.74	1,176,495.95	24,724,556.97	213,664,355.66

NORTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Power

Property	Balance at Jan. 1, 1953	Expenditures during 1953
GENERATING STATIONS	\$	\$
Northeastern Division	58,354,909.44	826,891.58
Northwestern Division	67,257,267.40	2,280,359.61
	125,612,176.84	3,107,251.19
TRANSFORMER STATIONS		
Northeastern Division	12,588,744.43	1,472,543.39
Northwestern Division	4,583,209.06	155,523.17
	17,171,953.49	1,628,066.56
TRANSMISSION LINES		
Northeastern Division	18,300,424.17	1,420,430.83
Northwestern Division	14,714,920.91	617,013.52
	33,015,345.08	2,037,444.35
LOCAL SYSTEMS		
Northeastern Division	1,990,899.18	447,146.11
Northwestern Division	430,133.89	123,555.75
	2,421,033.07	570,701.86
COMMUNICATIONS		
Northern Ontario Properties	2,801,751.22	188,043.92
Total power system	181,022,259.70	7,531,507.88

Administrative and Service

ADMINISTRATIVE AND SERVICE BUILDINGS	209,052.79	63,082.33
OFFICE AND SERVICE EQUIPMENT	471,407.46	38,048.53
Total—Administrative and service buildings and equipment	680,460.25	101,130.86
Rural Power District	20,446,205.81	4,398,917.23
Total	202,148,925.76	12,031,555.97

Summary of Sales and Retirements during 1953:

Proceeds from sales	\$122,188.87
Charged to accumulated depreciation	393,937.20
Total	<u>\$516,126.07</u>

PROPERTIES

During Year Ended December 31, 1953

System

Adjustment for equipment relocated and reclassified	Sales and retirements during 1953	Balance at Dec. 31, 1953
\$	\$	\$
13,995.96	102,636.58	59,065,168.48
350,025.16	19,201.00	69,168,400.85
364,021.12	121,837.58	128,233,569.33
40,029.00	201,549.43	13,819,709.39
31,913.00	14,879.56	4,691,939.67
71,942.00	216,428.99	18,511,649.06
.....	59,568.60	19,661,286.40
.....	44,820.29	15,287,114.14
.....	104,388.89	34,948,400.54
35,042.00	6,361.54	2,396,641.75
.....	1,228.64	552,461.00
35,042.00	7,590.18	2,949,102.75
137,959.01	7,173.09	3,120,581.06
333,046.11	457,418.73	187,763,302.74

Buildings and Equipment

395,400.46	.....	667,535.58
.....	495.62	508,960.37
395,400.46	495.62	1,176,495.95
62,354.35	58,211.72	24,724,556.97
.....	516,126.07	213,664,355.66

NORTHERN ONTARIO
STATEMENTS OF RESERVES—

Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	21,154,453.44	706,177.50	112,793.86	21,973,424.80
Add:				
Interest at 4% per annum on reserve balances.....	803,705.40	28,247.10		831,952.50
Provision in the year				
—direct.....	1,794,684.00	218,693.62		2,013,377.62
—indirect.....	4,274.80	1,052.40	54,659.65	59,986.85
Salvage recovery on fixed assets retired less removal costs.....	9,577.74	64,366.78		54,789.04
Adjustments re transfer of equipment.....	9,308.42	2,071.42	7,237.00	
Sub-total.....	23,738,231.48	1,020,608.82	174,690.51	24,933,530.81
Deduct:				
Cost of fixed assets retired less proceeds from sales..	342,681.09	50,760.49	495.62	393,937.20
Balance at December 31, 1953..	23,395,550.39	969,848.33	174,194.89	24,539,593.61

Exchange Premium Received on Funded Debt (Net)

Exchange premium and discount on funded debt issued in United States funds	
Balance at January 1, 1953 (premium).....	\$183,205.16
Deduct portion of discount on 3½% November 1, 1953 issue applicable to Northern Ontario Properties.....	100,097.66
Balance at December 31, 1953.....	\$83,107.50

PROPERTIES

December 31, 1953

Contingencies and Obsolescence

	Province of Ontario	Municipalities supplied with power at cost	Northern Ontario Properties	Total
	\$	\$	\$	\$
Balance at January 1, 1953...	899,207.66	1,348,526.39	8,141,098.78	10,388,832.83
Add:				
Interest at 4% per annum on reserve balances.....	35,968.31	53,941.06	325,643.94	415,553.31
Provision in the year				
—direct.....			705,614.09	705,614.09
—indirect.....			2,673.80	2,673.80
Sub-total.....	935,175.97	1,402,467.45	9,175,030.61	11,512,674.03
Deduct:				
Contingencies met with dur- ing year.....		4,032.83	39,226.09	43,258.92
Loss on sale of power to companies.....	414,989.49			414,989.49
Balance at December 31, 1953.	520,186.48	1,398,434.62	9,135,804.52	11,054,425.62

Stabilization of Rates

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1953.....	748,873.31	541,995.11	1,290,868.42
Interest at 4% per annum on reserve balances.	29,954.93	21,679.80	51,634.73
Balance at December 31, 1953.....	778,828.24	563,674.91	1,342,503.15

Sinking Fund

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1953.....	28,220,185.22	8,511,830.35	36,732,015.57
Interest at 4% per annum on reserve balances.	961,280.82	340,473.21	1,301,754.03
Provision in the year—direct.....	1,739,139.80	224,763.85	1,963,903.65
—indirect.....	3,378.40		3,378.40
Balance at December 31, 1953.....	30,923,984.24	9,077,067.41	40,001,051.65

NORTHERN ONTARIO

COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
Municipalities supplied with power at cost:	\$	kw	'000 kwh	\$	\$	\$
Fort William.....	32.49	27,068.9	164,037.4	212,024.38	435,254.28	.....
Nipigon Twp.....	34.50	698.5	3,707.2	4,791.69	11,231.53	.....
Port Arthur.....	31.50	29,571.2	148,189.6	191,540.52	475,490.01	.....
Red Rock.....	32.10	452.8	2,184.0	2,822.90	7,280.80	.....
Schreiber Twp.....	36.00	535.3	2,977.6	3,848.66	7,720.11	.....
Terrace Bay.....	36.00	866.0	4,947.2	6,394.44	12,489.47	.....
Total—Municipalities.....		59,192.7	326,043.0	421,422.59	949,466.20	.....
Province of Ontario:						
Rural Power District.....		23,121.0	108,719.4	136,058.85	453,727.19	91,238.99
Other Customers.....		388,561.0	2,932,388.9	3,573,985.46	6,513,403.42	1,563,559.43
Total—Province of Ontario.....		411,682.0	3,041,108.3	3,710,044.31	6,967,130.61	1,654,798.42
Grand Total.....		470,874.7	3,367,151.3	4,131,466.90	7,916,596.81	1,654,798.42

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The items shown under the heading "Share of power purchased, operating costs and fixed charges" total \$19,247,200.97 as follows:

Power supply—based on energy.....	\$4,131,466.90
—based on peak load.....	7,916,596.81
Bulk transmission.....	1,654,798.42
Divisional costs including transformation, transmission, and distribution.....	5,544,338.84
	<u>\$19,247,200.97</u>

This total includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$131,660.43
Interchange of power with Southern Ontario System.....	154,734.33
Operating, maintenance and administrative expenses.....	8,431,375.30
Interest.....	6,552,149.64
Allowance for depreciation.....	2,013,377.62
Provision for sinking fund.....	1,963,903.65
	<u>\$19,247,200.97</u>

PROPERTIES

AND THE BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1953

fixed charges						
Divisional costs, including transformation, transmission and distribution	Provision for contingencies	Withdrawal from contingencies reserve	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged	Annual cost on a kilowatt basis
\$	\$	\$	\$	\$	\$	\$
213,263.71	27,068.90	.....	887,611.27	879,368.70	8,242.57	32.79
4,975.92	698.50	.....	21,697.64	24,097.65	2,400.01	31.06
216,245.02	29,571.20	.....	912,846.75	931,492.25	18,645.50	30.87
2,837.45	452.80	.....	13,393.95	14,534.32	1,140.37	29.58
5,381.90	535.30	.....	17,485.97	19,271.40	1,785.43	32.67
4,972.24	866.00	.....	24,722.15	31,176.00	6,453.85	28.55
447,676.24	59,192.70	.....	1,877,757.73	1,899,940.32	22,182.59	.....
1,858,559.76	241,814.62	.....	2,781,399.41	2,370,542.13	410,857.28	.....
3,238,102.84	404,606.77	414,989.49	14,878,668.43	15,109,984.58	231,316.15	.....
5,096,662.60	646,421.39	414,989.49	17,660,067.84	17,480,526.71	179,541.13	.....
5,544,338.84	705,614.09	414,989.49	19,537,825.57	19,380,467.03	157,358.54	.....

2. The provision for contingencies consists of a charge of \$470,874.70 at \$1 per kilowatt of the average monthly peak load supplied to all customers and charges of \$16,045.77 to local systems and \$218,693.62 to the Rural Power District for their distribution facilities.

3. The withdrawal from the reserve for contingencies \$414,989.49 credited to the operating accounts "Province of Ontario, other customers" represents the net loss on the supply of power to the paper companies in the Thunder Bay District. The net loss consists of \$662,210.94 representing the loss on the supply of primary power under the terms of the existing contracts, less the revenue of \$247,221.45 from the supply of surplus energy for use in steam boilers.

4. The method used in 1952 of allocating the cost of power supplied to each customer was followed in 1953 with the following exception:

In calculating the peak demand for company loads, the recorded demand was not increased for energy taken in excess of the contracted load factor. In 1952 a hypothetical demand was estimated for this excess energy. The recorded demand for company loads supplied on an interruptible basis was reduced by 25 per cent in arriving at the demand load used for cost allocation.

5. Interchange of power with the Southern Ontario System shown in the statement of operations \$154,734.33 represents the cost of 116,188,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 89,648,000 kilowatt-hours of energy transferred to that system. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange.

NORTHERN ONTARIO PROPERTIES

SINKING FUND

Payments by municipalities supplied with power at cost, and by the Province of Ontario, and interest allowed thereon to December 31, 1953

Municipality	Period of years to December 31, 1953	Amount
		\$
Fort William.....	27	3,004,821.40
Nipigon Twp.....	27	50,422.20
Port Arthur.....	27	5,954,194.98
Red Rock.....	6	15,826.43
Schreiber Twp.....	5	17,498.77
Terrace Bay.....	6	34,303.63
Total—Municipalities.....		9,077,067.41
Province of Ontario.....		30,923,984.24
Grand Total.....		40,001,051.65

APPENDIX III—CUSTOMERS

Rural Electrical Service

Power is delivered in wholesale quantities by the Commission to 108 rural operating areas in the amalgamated Rural Power District, and within the Rural Power District the retail customers are served as farm, hamlet, commercial, summer, or industrial power service customers. These are defined under "Descriptions of Main Classes of Hydro Rural Service", and the rates applicable to each follow.

For farm, hamlet, commercial, and summer service a uniform rural rate structure applies. Rates for rural industrial power service vary with the locality served. The rates for service in the uniform group were effective as of January 1, 1953. Rates for the industrial power service group were effective as of November 1, 1952.

Descriptions of Main Classes of Hydro Rural Service

Farm Service

Farm service means service rendered to lands and buildings thereon used for the production of food or industrial crops on that land, and shall include electrical service to all farm buildings and equipment located on the farm used for farm purposes, including that required for processing the products of the customer's farm.

Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm property and occupied by persons who are engaged in the operation of the farm.

Additional dwellings or domestic establishments located on a farm property, and occupied by persons not engaged in the operation of the farm shall be classed as hamlet service. Small properties of five acres and less shall be classed as hamlet services except under special circumstances, when a farm classification may be applied.

Commercial Service

Commercial service means service to business or community establishments including schools, churches, public halls, hospitals, hotels, motels, offices, stores, garages, small manufacturing and processing establishments, sign and display lighting, etc.

Hamlet Service

Hamlet service means service to a domestic establishment or residence in a community served as part of a rural operating area. This class shall include isolated non-farm residences.

Summer Service

Summer service is applicable to properties normally used during the summer months only.

Industrial Power Service

Power service covers 3-phase service to power users such as creameries, cheese factories, and chopping mills, to industrial establishments, and to special loads which cannot be supplied as commercial single-phase service.

Uniform Rural Rate Structure

The farm, hamlet, and commercial service rates are on a monthly basis and consist essentially of a three-step consumption charge subject to a minimum bill. The summer service rates are on an annual basis and consist of an annual fixed charge plus a consumption charge.

The number of kilowatt-hours at the first and second rates and the minimum bill are dependent on the classification of the contract and its demand rating.

In each billing period the kilowatt-hour rates are as follows:

4.5¢ gross per kilowatt-hour for the first block of kilowatt-hours.

2.6¢ gross per kilowatt-hour for the next block of kilowatt-hours.

1.5¢ gross per kilowatt-hour for all remaining kilowatt-hours.

The number of kilowatt-hours supplied at each of the above rates, and the minimum bill for each class and contract rating are shown in the following tabulation.

All rates quoted are gross and are subject to a prompt payment discount of 10 per cent.

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Farm, Hamlet, Commercial, and Summer Service

Prompt Payment Discount 10 per cent

		Kilowatt-hours billed at			
Class	Rating	first rate 4.5 cents	second rate 2.6 cents	third rate 1.5 cents	min bill per month (gross)
(number per month)					\$
Farm.....	F35	60	180	All additional	2.25
	F50	100	300		3.75
	FD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Hamlet.....	H20	60	80	All additional	1.67
	H35	60	180		2.25
	H50	80	300		3.75
	HD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Commercial ..	C20	60	120	All additional	1.50
	C35	90	180		2.25
	C50	150	300		3.75
	CD	30 per kw of demand	60 per kw of demand		0.75 per kw of demand
(number per annum)					Annual fixed charge (gross)
Summer.....	S20	150	450	All additional	16.67
	S35	225	675		22.22
	S50	375	1,125		25.00
	SD	75 per kw of demand	225 per kw of demand		5.00 per kw of demand

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM	\$	\$	cents	cents	cents
Western					
Aylmer.....	34.00	1.35	3.4	2.2	0.33
Blenheim.....	34.00	1.35	3.4	2.2	0.33
Bothwell.....	36.00	1.35	3.7	2.4	0.33
Chatham.....	32.00	1.35	3.1	2.0	0.33
Dorchester.....	34.00	1.35	3.4	2.2	0.33
Essex.....	36.00	1.35	3.7	2.4	0.33
Exeter.....	34.00	1.35	3.4	2.2	0.33
Forest.....	36.00	1.35	3.7	2.4	0.33
Harrow.....	36.00	1.35	3.7	2.4	0.33
Ingersoll.....	32.00	1.35	3.1	2.0	0.33
Kingsville.....	34.00	1.35	3.4	2.2	0.33
London.....	32.00	1.35	3.1	2.0	0.33
Lucan.....	34.00	1.35	3.4	2.2	0.33
Merlin.....	36.00	1.35	3.7	2.4	0.33
Norwich.....	32.00	1.35	3.1	2.0	0.33
Oil Springs.....	36.00	1.35	3.7	2.4	0.33
Ridgetown.....	36.00	1.35	3.7	2.4	0.33
St. Thomas.....	34.00	1.35	3.4	2.2	0.33
Sarnia.....	34.00	1.35	3.4	2.2	0.33
Strathroy.....	34.00	1.35	3.4	2.2	0.33
Tillsonburg.....	32.00	1.35	3.1	2.0	0.33
Wallaceburg.....	34.00	1.35	3.4	2.2	0.33
West Lorne.....	36.00	1.35	3.7	2.4	0.33
Windsor.....	32.00	1.35	3.1	2.0	0.33
Woodstock.....	32.00	1.35	3.1	2.0	0.33
West Central					
Brantford.....	32.00	1.35	3.1	2.0	0.33
Burlington.....	32.00	1.35	3.1	2.0	0.33
Cayuga.....	36.00	1.35	3.7	2.4	0.33
Clinton.....	34.00	1.35	3.4	2.2	0.33
Dundas.....	32.00	1.35	3.1	2.0	0.33
Elmira.....	32.00	1.35	3.1	2.0	0.33
Guelph.....	32.00	1.35	3.1	2.0	0.33
Kitchener.....	32.00	1.35	3.1	2.0	0.33
Listowel.....	32.00	1.35	3.1	2.0	0.33
Mitchell.....	34.00	1.35	3.4	2.2	0.33
Simcoe.....	32.00	1.35	3.1	2.0	0.33
Stoney Creek.....	29.00	1.35	2.6	1.7	0.33
Caledonia Section.....	32.00	1.35	3.1	2.0	0.33
Stratford.....	32.00	1.35	3.1	2.0	0.33

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM					
Continued	\$	\$	cents	cents	cents
Niagara					
Beamsville.....	32.00	1.35	3.1	2.0	0.33
Dunnville.....	34.00	1.35	3.4	2.2	0.33
St. Catharines.....	30.00	1.35	2.8	1.8	0.33
Welland.....	27.00	1.35	2.3	1.5	0.33
Toronto					
Brampton.....	32.00	1.35	3.1	2.0	0.33
Markham.....	32.00	1.35	3.1	2.0	0.33
Richmond Hill.....	32.00	1.35	3.1	2.0	0.33
Sutton.....	34.00	1.35	3.4	2.2	0.33
Woodbridge.....	34.00	1.35	3.4	2.2	0.33
Georgian Bay					
Alliston.....	34.00	1.35	3.4	2.2	0.33
Bala.....	32.00	1.35	3.1	2.0	0.33
Barrie.....	34.00	1.35	3.4	2.2	0.33
Bracebridge.....	32.00	1.35	3.1	2.0	0.33
Cannington.....	34.00	1.35	3.4	2.2	0.33
Huntsville.....	34.00	1.35	3.4	2.2	0.33
Markdale.....	32.00	1.35	3.1	2.0	0.33
Orangeville.....	36.00	1.35	3.7	2.4	0.33
Orillia.....	30.00	1.35	2.8	1.8	0.33
Owen Sound.....	34.00	1.35	3.4	2.2	0.33
Parry Sound.....	34.00	1.35	3.4	2.2	0.33
Penetanguishene.....	34.00	1.35	3.4	2.2	0.33
Shelburne.....	34.00	1.35	3.4	2.2	0.33
Stayner.....	32.00	1.35	3.1	2.0	0.33
Uxbridge.....	34.00	1.35	3.4	2.2	0.33
Walkerton.....	34.00	1.35	3.4	2.2	0.33
Wingham.....	34.00	1.35	3.4	2.2	0.33
East Central					
Bancroft.....	38.00	1.35	4.0	2.6	0.33
Belleville.....	32.00	1.35	3.1	2.0	0.33
Bowmanville.....	32.00	1.35	3.1	2.0	0.33
Brighton.....	32.00	1.35	3.1	2.0	0.33
Cobourg.....	32.00	1.35	3.1	2.0	0.33
Fenelon Falls.....	34.00	1.35	3.4	2.2	0.33
Frankford.....	32.00	1.35	3.1	2.0	0.33
Kingston.....	32.00	1.35	3.1	2.0	0.33
Lakefield.....	32.00	1.35	3.1	2.0	0.33
Millbrook.....	32.00	1.35	3.1	2.0	0.33

RATES TO CUSTOMERS IN RURAL OPERATING AREAS

Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
SOUTHERN ONTARIO SYSTEM					
—Continued	\$	\$	cents	cents	cents
East Central—Continued					
Minden	36.00	1.35	3.7	2.4	0.33
Napanee	32.00	1.35	3.1	2.0	0.33
Norwood	34.00	1.35	3.4	2.2	0.33
Oshawa	32.00	1.35	3.1	2.0	0.33
Peterborough	27.00	1.35	2.3	1.5	0.33
Picton	34.00	1.35	3.4	2.2	0.33
Tweed	34.00	1.35	3.4	2.2	0.33
Eastern					
Arnprior	32.00	1.35	3.1	2.0	0.33
Brockville	32.00	1.35	3.1	2.0	0.33
Carleton Place	32.00	1.35	3.1	2.0	0.33
Cobden	32.00	1.35	3.1	2.0	0.33
Delta	32.00	1.35	3.1	2.0	0.33
Lancaster	32.00	1.35	3.1	2.0	0.33
Merrickville	32.00	1.35	3.1	2.0	0.33
Ottawa	29.00	1.35	2.6	1.7	0.33
Perth	32.00	1.35	3.1	2.0	0.33
Plantagenet	32.00	1.35	3.1	2.0	0.33
Vankleek Hill	32.00	1.35	3.1	2.0	0.33
Winchester	32.00	1.35	3.1	2.0	0.33
NORTHERN ONTARIO PROPERTIES					
Northeastern					
Algoma	42.00	1.35	4.6	3.0	0.33
Kapuskasing	36.00	1.35	3.7	2.4	0.33
Kirkland Lake	36.00	1.35	3.7	2.4	0.33
Manitoulin	42.00	1.35	4.6	3.0	0.33
Matheson	36.00	1.35	3.7	2.4	0.33
New Liskeard	36.00	1.35	3.7	2.4	0.33
North Bay	36.00	1.35	3.7	2.4	0.33
Sudbury	36.00	1.35	3.7	2.4	0.33
Warren	36.00	1.35	3.7	2.4	0.33
Northwestern					
Dryden	42.00	1.35	4.6	3.0	0.33
Fort Frances	42.00	1.35	4.6	3.0	0.33
Geraldton	42.00	1.35	4.6	3.0	0.33
Kenora	42.00	1.35	4.6	3.0	0.33
Port Arthur	34.00	1.35	3.4	2.2	0.33
Sioux Lookout	42.00	1.35	4.6	3.0	0.33

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western							
Aylmer	342.35	1,520	1,094	263	216	6	3,099
Blenheim	135.80	634	407	99	160	5	1,305
Bothwell	396.39	1,444	342	171	1	13	1,971
Chatham	317.30	1,413	2,093	260	.....	25	3,791
Dorchester	204.95	825	520	123	2	10	1,480
Essex	295.19	1,495	1,071	172	564	14	3,316
Exeter	258.67	1,126	530	206	778	7	2,647
Forest	321.89	1,313	192	136	645	7	2,293
Harrow	237.52	1,309	921	144	1,255	8	3,637
Ingersoll	291.05	1,045	384	98	15	5	1,547
Kingsville	242.47	1,719	1,156	221	1,051	22	4,169
London	325.12	1,183	7,481	538	.....	56	9,258
Lucan	360.49	1,307	156	102	1	5	1,571
Merlin	390.70	1,601	446	202	259	9	2,517
Norwich	206.57	933	281	84	.....	7	1,305
Oil Springs	336.46	1,389	242	158	.....	4	1,793
Ridgetown	181.74	658	280	90	573	5	1,606
St. Thomas	305.10	1,204	1,644	219	12	7	3,086
Sarnia	265.89	1,142	1,850	247	554	2	3,795
Strathroy	495.94	1,807	584	234	.....	9	2,634
Tillsonburg	243.48	1,046	759	170	.....	14	1,989
Wallaceburg	443.44	1,733	1,149	267	222	12	3,383
West Lorne	252.11	896	167	104	37	1	1,205
Windsor	211.35	838	7,810	636	.....	43	9,327
Woodstock	214.05	881	588	128	.....	5	1,602
Total	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central							
Brantford	685.90	2,897	1,500	377	11	21	4,806
Burlington	122.19	528	3,768	200	22	43	4,561
Cayuga	365.18	1,377	570	200	774	22	2,943
Clinton	619.79	2,290	786	303	556	6	3,941
Dundas	342.40	1,665	1,996	211	2	13	3,887
Elmira	469.33	1,545	1,038	253	87	17	2,940
Guelph	363.57	1,240	997	135	15	4	2,391
Kitchener	477.83	1,728	2,328	340	175	27	4,598
Listowel	596.22	2,397	589	291	2	7	3,286
Mitchell	550.10	2,296	575	233	.....	12	3,116
Simcoe	763.43	3,308	2,411	455	1,189	12	7,375
Stoney Creek	455.91	1,716	4,597	427	184	31	6,955
Stratford	299.29	1,234	549	144	.....	9	1,936
Total	6,111.14	24,221	21,704	3,569	3,017	224	52,735

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Niagara							
Beamsville.....	365.05	2,090	1,436	269	113	26	3,934
Dunnville.....	262.92	1,015	649	224	961	10	2,859
St. Catharines.....	259.96	1,563	6,147	397	166	42	8,315
Welland.....	428.63	1,500	6,000	597	650	64	8,811
Total.....	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto							
Brampton.....	570.39	1,963	1,863	320	268	26	4,440
Markham.....	372.65	1,556	6,707	483	627	49	9,422
Richmond Hill.....	317.82	1,117	4,835	535	233	40	6,760
Sutton.....	304.84	899	1,661	358	2,877	12	5,807
Woodbridge.....	372.30	1,245	2,267	385	118	44	4,059
Total.....	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay							
Alliston.....	446.99	1,705	507	196	12	7	2,427
Bala.....	173.23	56	551	151	1,463	3	2,224
Barrie.....	470.33	1,346	1,990	369	3,023	15	6,743
Bracebridge.....	390.71	494	851	220	1,987	4	3,556
Cannington.....	428.50	1,066	757	211	1,987	8	4,029
Huntsville.....	488.21	578	1,345	314	1,581	8	3,826
Markdale.....	595.14	1,958	679	284	365	5	3,291
Orangeville.....	435.86	1,300	996	260	361	2	2,919
Orillia.....	404.85	769	721	321	2,074	5	3,890
Owen Sound.....	866.73	2,285	1,476	521	2,027	5	6,314
Parry Sound.....	316.13	249	1,044	226	596	6	2,121
Penetanguishene.....	441.28	975	858	292	3,203	5	5,333
Shelburne.....	688.57	2,177	313	214	17		2,721
Stayner.....	319.06	1,047	793	399	2,295	3	4,537
Uxbridge.....	457.40	1,437	905	246	928	5	3,521
Walkerton.....	794.00	2,802	778	354	483	8	4,425
Wingham.....	654.64	2,334	603	318	492	3	3,750
Total.....	8,371.63	22,578	15,167	4,896	22,894	92	65,627

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
East Central							
Bancroft.....	181.24	280	383	87	395	1	1,146
Belleville.....	215.66	762	2,089	254	52	13	3,170
Bowmanville.....	282.28	869	755	184	93	6	1,907
Brighton.....	137.30	433	200	38	183	2	856
Cobourg.....	531.08	1,563	1,187	351	801	8	3,910
Fenelon Falls.....	457.46	964	605	328	2,329	10	4,236
Frankford.....	373.56	1,312	896	209	191	1	2,609
Kingston.....	707.22	1,976	2,332	530	900	16	5,754
Lakefield.....	340.36	570	736	229	1,173	1	2,709
Millbrook.....	185.72	570	227	81	73	1	952
Minden.....	338.44	364	1,288	360	1,627	4	3,643
Napanee.....	524.69	1,799	1,017	375	239	5	3,435
Norwood.....	278.27	733	342	107	610	3	1,795
Oshawa.....	262.78	861	1,921	254	227	10	3,273
Peterborough.....	401.40	1,083	1,283	252	642	10	3,270
Picton.....	432.79	1,674	1,129	303	515	8	3,629
Tweed.....	467.76	960	856	306	534	1	2,657
Total.....	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern							
Arnprior.....	338.17	823	903	243	765	14	2,748
Brockville.....	558.24	1,903	1,622	428	772	18	4,743
Carleton Place.....	208.32	518	146	80	259	1	1,004
Cobden.....	855.66	1,778	2,605	671	449	16	5,519
Delta.....	403.06	971	629	254	825	3	2,682
Lancaster.....	562.75	1,981	951	393	166	11	3,502
Merrickville.....	213.88	654	534	105	102	4	1,399
Ottawa.....	637.11	2,293	3,624	543	336	35	6,831
Perth.....	492.25	1,051	614	212	765	.....	2,642
Plantagenet.....	227.94	1,417	696	311	23	6	2,453
Vankleek Hill.....	268.82	673	437	146	59	8	1,323
Winchester.....	712.51	2,918	1,021	464	37	17	4,457
Total.....	5,478.71	16,980	13,782	3,850	4,558	133	39,303

RURAL OPERATING AREAS
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
NORTHERN ONTARIO PROPERTIES							
Northeastern							
Algoma.....	164.87	169	310	100	36	3	618
Kapuskasing.....	201.63	400	1,252	172	91	4	1,919
Kirkland Lake.....	71.80	64	147	57	183	1	452
Manitoulin.....	518.45	794	1,366	522	499	18	3,199
Matheson.....	418.95	1,002	909	211	191	7	2,320
New Liskeard.....	522.01	1,073	1,060	296	250	14	2,693
North Bay.....	580.10	952	2,761	554	926	22	5,215
Sudbury.....	465.81	878	6,726	493	601	25	8,723
Warren.....	393.47	963	1,033	345	221	6	2,568
Total.....	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern							
Dryden.....	186.33	310	301	125	61	1	798
Fort Frances.....	473.11	923	638	258	36	6	1,861
Geraldton.....	22.60	.....	210	74	3	8	295
Kenora.....	158.57	203	399	122	278	2	1,004
Port Arthur.....	781.04	1,813	1,836	322	719	8	4,698
Sioux Lookout.....	20.06	17	68	16	41	1	143
Total.....	1,641.71	3,266	3,452	917	1,138	26	8,799

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1953

Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO							
Western.....	7,276.02	30,461	32,147	5,072	6,345	301	74,326
West Central.....	6,111.14	24,221	21,704	3,569	3,017	224	52,735
Niagara.....	1,316.56	6,168	14,232	1,487	1,890	142	23,919
Toronto.....	1,938.00	6,780	17,333	2,081	4,123	171	30,488
Georgian Bay.....	8,371.63	22,578	15,167	4,896	22,894	92	65,627
East Central.....	6,118.01	16,773	17,246	4,248	10,584	100	48,951
Eastern.....	5,478.71	16,980	13,782	3,850	4,558	133	39,303
Total.....	36,610.07	123,961	131,611	25,203	53,411	1,163	335,349
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	3,337.09	6,295	15,564	2,750	2,998	100	27,707
Northwestern.....	1,641.71	3,266	3,452	917	1,138	26	8,799
Total.....	4,978.80	9,561	19,016	3,667	4,136	126	36,506
Total—All systems.....	41,588.87	133,522	150,627	28,870	57,547	1,289	371,855

Work not completed in 1953 included 208.24 miles of distribution lines. These miles of lines and a total of 1,443 customers whose services were not completed in the 1953 program are omitted from the above tables.

RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND NEW CLASSIFICATION

(Comparable Figures for Earlier Years Not Available)

Hamlet and House Lighting Service

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consumption
	\$	kwh	No.	cents	\$	kwh
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,368	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9
1943	2,170,221.41	73,980,871	70,919	2.93	2.57	87.6

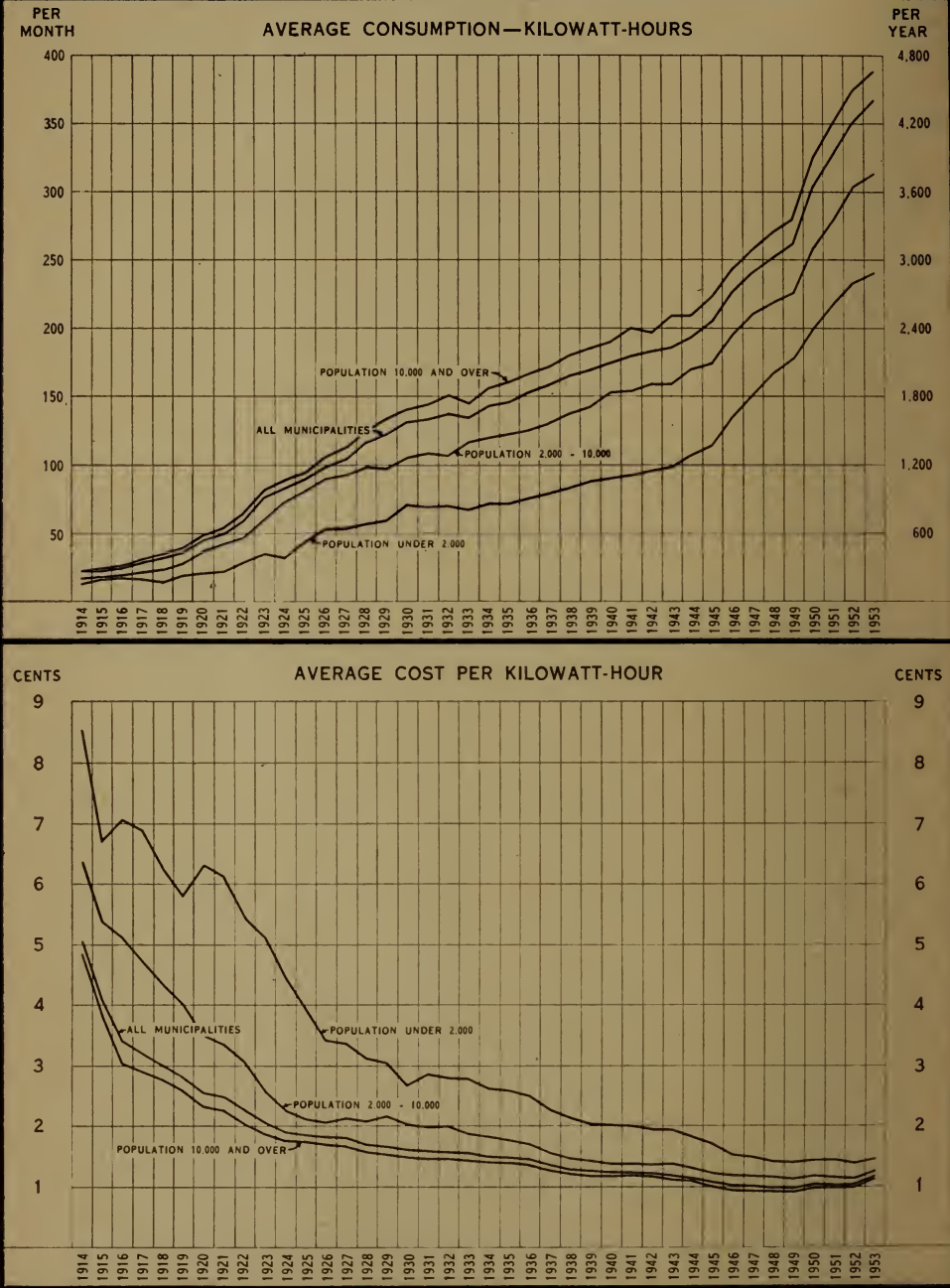
Farm Service

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consumption
	\$	kwh	No.	cents	\$	kwh
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870,300.31	116,448,363	63,748	2.46	3.75	152
1943	2,934,011.31	121,428,714	64,292	2.42	3.81	158

*See footnote to table on page 41.

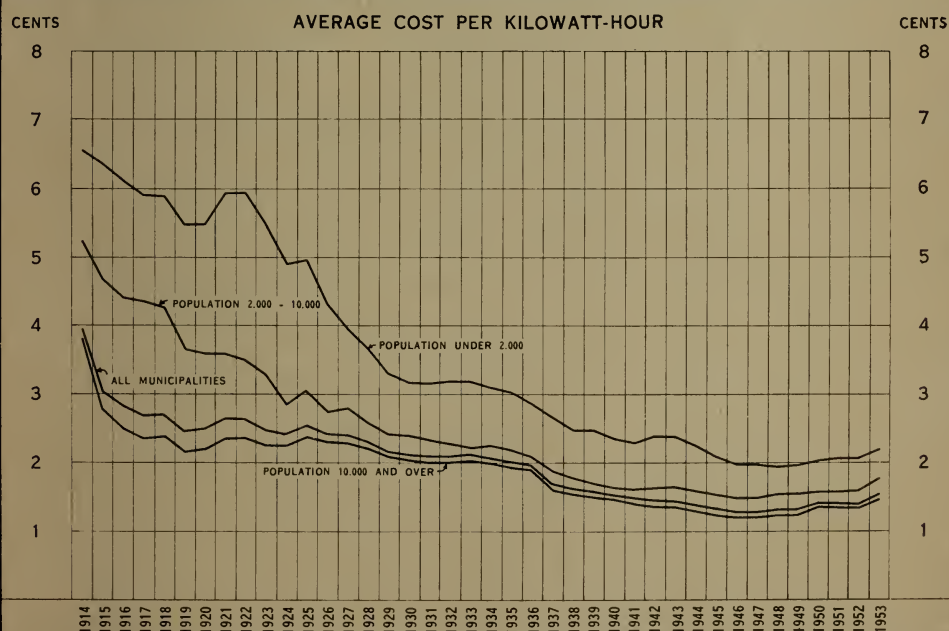
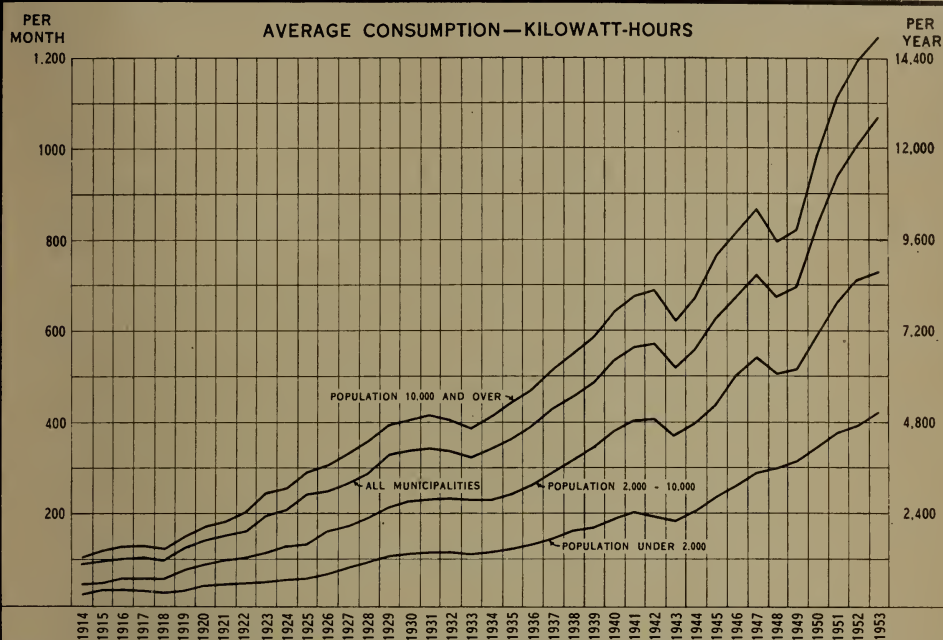
†In the period 1937 to 1940, there was an increase in the statistical average per kilowatt-hour and a decrease in the statistical average monthly consumption per customer. Actually there was a great increase in the use of electricity by nearly all individual Hydro customers and a corresponding decrease to each customer in the average cost per kilowatt-hour. But due to the tremendous growth at that time in new customers, who for the first few years were not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new customers when averaged with the increased use of the older customers produced per customer averages which obscured the true trends of individual growth in use and individual reductions in costs.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS
DOMESTIC SERVICE



MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

COMMERCIAL SERVICE



APPENDIX IV

ENGINEERING AND CONSTRUCTION

IN the following table, the total line miles and circuit miles of transmission lines are given by voltage and support structure, for each of the Southern Ontario System and the Northern Ontario Properties. The totals given for 1952 differ from those in the 1952 Annual Report because 96.09 route miles and 101.71 circuit miles of low-voltage transmission not previously reported have been included.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1952	At Dec. 31, 1953	At Dec. 31, 1952	At Dec. 31, 1953
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,432.85	2,431.85	2,858.39	2,900.53
115,000-volt.....steel tower.....	1,430.12	1,477.08	2,229.70	2,299.03
115,000-volt.....wood pole.....	806.80	880.57	810.97	884.74
115,000-volt.....underground cable.....	4.88	4.88	8.83	8.83
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt.....steel tower.....	87.15	86.99	114.45	144.13
44,000-volt and less.wood and steel....	4,329.21	4,436.91	4,816.25	4,926.95
Total Southern Ontario System.....	9,104.84	9,332.11	10,853.55	11,179.17
NORTHERN ONTARIO PROPERTIES				
132,000-volt.....steel tower.....	386.16	386.16	772.32	772.32
132,000-volt.....wood pole.....	268.54	268.54	268.54	268.54
115,000-volt.....steel tower.....	298.60	298.60	512.66	512.66
115,000-volt.....wood pole.....	717.56	717.61	717.56	717.61
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less.wood pole.....	1,470.10	1,513.27	1,586.25	1,626.81
Total Northern Ontario Properties.....	3,344.68	3,387.90	4,061.05	4,101.66
Total—All systems.....	12,449.52	12,720.01	14,914.60	15,280.83

NOTE: Circuit miles of 230,000-volt line in the Province of Quebec connected to H-E.P.C. lines = 103.47 miles, making a total system interconnected mileage of 3,004.00.

COMMUNICATIONS

Telephone

A total of 144 miles of telephone circuit was erected in 1953, including 131 miles in the Southern Ontario System and 13 miles in the Northern Ontario Properties. Rehabilitation was carried out on 72 miles of telephone circuit in the Southern Ontario System and on 27 miles in the Northern Ontario Properties.

Six voice carrier channels were established over the microwave radio link between the Head Office in Toronto and the Niagara Regional Office, five being used for administration and general operations, and one specifically for telemetering and load control.

A private automatic exchange was installed at Cameron Falls Generating Station and cordless branch exchanges were installed in Burlington, St. Mary's, and Ramore Transformer Stations. Double operators' desks with private branch exchanges were placed in service at Richard L. Hearn Generating Station, George W. Rayner Generating Station, and R. H. Martindale Transformer Station. Twenty-five additional lines were installed for a private automatic exchange at the East Central Regional Office.

Other telephone facilities added during the year are listed in the table of communications auxiliary facilities given on page 346.

Power-Line Carrier Control Facilities

Permanent carrier equipment was placed in service for transfer-trip protection between Allanburg and Burlington Transformer Stations. Telemetering and load-control facilities were provided by the use of high audio-frequency equipment on the voice carrier channels between Sarnia Transformer Station and E. V. Buchanan Transformer Station, and between the latter and J. Clark Keith Generating Station. Coupling capacitors were installed on the 230-kv transmission lines at J. Clark Keith Generating Station and at E. V. Buchanan and Detweiler Transformer Stations, both for power-line carrier and metering service. Capacitors for metering services only were installed on two 115-kv transmission lines at Stewartville Generating Station and at Crystal Falls Generating Station and R. H. Martindale Transformer Station.

The power-line carrier network was extended to include new channels for line relay-protection in the operation of the 230-kv lines from J. Clark Keith Generating Station, the interconnections with The Detroit Edison Company, Detweiler Transformer Station, and a 115-kv, 60-cycle transmission line between E. V. Buchanan and St. Thomas Transformer Stations. New channels also provided similar protection for the 115-kv transmission line between R. H. Martindale Transformer Station and Copper Cliff Switching Station.

Preparations were being made for power-line carrier installations for Sir Adam Beck-Niagara Generating Station No. 2, and for a voice carrier channel between Toronto-Leaside Transformer Station and Merivale Switching Station. Preparation was also being made for power-line protection between George W. Rayner Generating Station and Copper Cliff Switching Station, and for transfer-trip protection channels between the Kalamazoo Vegetable Parchment Company Station and both George W. Rayner Generating Station and Copper Cliff Transformer Station.

New Communications Auxiliary Facilities

Telephone control cable

<i>From</i>	<i>To</i>
Belleville T.S.	Belleville S.S.
Ontario Power T.S.	Niagara V.H.F. Radio Station
Cameron Falls G.S.	Cameron Falls Operators' Colony

Power-line carrier voice channels

<i>From</i>	<i>To</i>
E. V. Buchanan T.S.	J. Clark Keith G.S.
E. V. Buchanan T.S.	Sarnia T.S.
E. V. Buchanan T.S.	Detweiler T.S.
E. V. Buchanan T.S.	A. W. Manby T.S.
Detweiler T.S.	Essa T.S.
Essa T.S.	Minden S.S.
Moose Lake T.S.	Port Arthur T.S. No. 1

Radio

Radio communication was extended by the establishment of ultra high-frequency multichannel radio terminals at Niagara Transformer Station and at the Administration Building in Toronto, and of sixteen new strategically-located frequency-modulation stations, five in the Southern Ontario System and eleven in the Northern Ontario Properties.

The new frequency-modulation stations included two in the Niagara Region, one in the Toronto Region, and one at both Cornwall and Morrisburg to assist in the surveying for the St. Lawrence Development. To facilitate construction activities, three were established in the Manitou Falls area and three along the power-line right of way between Otto Holden Generating Station and Crystal Falls Generating Station. The five remaining stations were established for supervisory control in the Northern Ontario Properties, two at generating stations, one at a transformer station, and two at storage sites. In addition to the fixed stations, eight mobile units were added in the Niagara Region, three in the Toronto Region, and one was established in the St. Lawrence Development area.

Remote control was provided at the area offices for the frequency-modulation stations established in the Markdale and Alliston Rural Operating Areas.

APPENDIX V—LEGISLATIVE

AT the 1953 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Power Commission Amendment Act, 1953, Chapter 82.

The Rural Telephone Systems Amendment Act, 1953, Chapter 95.

ACTS

CHAPTER 82

An Act to amend The Power Commission Act

Assented to April 2nd, 1953.

Session Prorogued April 2nd, 1953.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 41 of *The Power Commission Act*, as re-enacted by section 2 of *The Power Commission Amendment Act, 1952*, is amended by inserting after the figures "1952" in the third line the word and figure "(No. 2)", so that the section shall read as follows:

Rev. Stat.,
c. 281, s. 41
(1952,
c. 77, s. 2),
amended

41. The compulsory powers conferred by this Act or by *The Niagara Development Act, 1951* or by *The St. Lawrence Development Act, 1952 (No. 2)* shall extend to land, works, rights, powers, privileges and property notwithstanding anything in this Act or in any general or special Act and notwithstanding that they are or may be deemed to be devoted to a municipal or any other public use or that the owner thereof possesses the power of taking land compulsorily and notwithstanding the origin, nature or sources of the owner's title thereto, whether statutory or otherwise, or the manner whereby it was acquired by the owner or by any of his predecessors in title.

Powers of
expropria-
tion
1951, c. 55:
1952
(2nd Sess.),
c. 3

Rev. Stat.,
c. 281, s. 45a,
subs. 12
(1952),
c. 77, s. 5),
amended

2. Subsection 12 of section 45a of *The Power Commission Act*, as enacted by section 5 of *The Power Commission Amendment Act, 1952*, is amended by striking out the word “to” in the tenth line, so that the subsection shall read as follows:

Exemptions

(12) In making the valuations referred to in subsection 6, there shall be no value included for machinery whether fixed or not nor the foundation on which it rests, works, structures other than buildings referred to in subsection 2 or 4, substructures, superstructures, rails, ties, poles, towers, lines nor any of the things excepted from exemption from taxation by paragraph 17 of section 4 of *The Assessment Act*, nor other property, works or improvements not referred to in subsection 2 or 4, nor an easement or the right or use of occupation or other interest in land not owned by the Commission.

Rev. Stat.,
c. 24

3. Section 46 of *The Power Commission Act*, as amended by section 5 of *The Power Commission Amendment Act, 1951* and by section 6 of *The Power Commission Amendment Act, 1952*, is further amended by inserting after the figures “1952” in the amendment of 1952 the word and figure “(No. 2)”, so that the section shall read as follows:

Government
authorized
to raise
funds for
works of
Commission
Rev. Stat.,
c. 299
1951, c. 55;
1952 (2nd
Sess.), c. 3

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Provincial Loans Act* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act, 1951* and of *The St. Lawrence Development Act, 1952* (No. 2), and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

Rev. Stat.,
c. 281, s. 51,
subs. 2, cl. e,
amended

4. Clause e of subsection 2 of section 51 of *The Power Commission Act*, as amended by subsection 2 of section 9 of *The Power Commission Amendment Act, 1951* and section 7 of *The Power Commission Amendment Act, 1952*, is further amended by inserting after the figures “59” in the fourth line the words and figures “or in section 59a” and by inserting after the figures “1952” in the amendment of 1952 the word and figure “(No. 2)”, so that the clause shall read as follows:

(e) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 28, 38 and 84 or in respect of the acquisition or construction of works referred to in section 59 or in section 59a, or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act, 1951* or in *The St. Lawrence Development Act, 1952* (No. 2), providing in whole or in part for expenditures of the Commission made or to be

1951, c. 55;
1952 (2nd
Sess.), c. 3

made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

5. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,
c. 281,
amended

59a.—(1) Notwithstanding anything in this Act or in any other general or special Act, or any agreement which may have been entered into by His Majesty with the Commission pursuant to subsection 2 of section 59, or any agreement entered into by the Commission with any other person, the works in the territorial districts of Ontario now held in trust for Her Majesty pursuant to section 59 and all other assets related thereto and the works now held in trust for the municipalities comprised in the Commission's Thunder Bay System and all other assets related thereto shall, subject to the respective liabilities and with the reserves now attaching thereto, be deemed as of January 1st, 1952, to be held in one trust to be known as the "Northern Ontario Properties" for Her Majesty and the municipalities, the beneficial interest of Her Majesty and of each municipality now or hereafter becoming a beneficiary under the trust being according to the amounts heretofore or hereafter charged and received under power contracts by the Commission from the municipalities and from persons supplied by it with power for the account of Her Majesty for repayment of indebtedness incurred or assumed by the Commission in respect of the works, and also to the amount of reserves transferred in respect of the trust as of January 1st, 1952, to the credit of the municipalities now comprised in the Thunder Bay System or to the credit of Her Majesty or contributed subsequently to January 1st, 1952. Establishing
Northern
Ontario
Properties
trust

(2) Any municipality in the territorial districts of Ontario which enters into a contract with the Commission for the supply of power from works held by the Commission under the Northern Ontario Properties trust at the cost thereof to the Commission shall thereupon become a beneficiary under the trust established by subsection 1. Additional
beneficiaries

(3) All persons in the territorial districts of Ontario supplied with power by the Commission from works held by it under the Northern Ontario Properties trust except municipalities supplied at cost, including persons now supplied by the Commission in rural power districts on behalf of townships or pursuant to section 90, shall hereafter be deemed to be supplied for the account of Her Majesty and all profit or loss arising from supplying such power shall be credited or charged to Her Majesty. Crown
customers

Rural power districts not beneficiaries under trust

- (4) Notwithstanding section 78, a rural power district shall not be deemed a municipality for the purposes of this section.

Works

- (5) The words “such works” in subsection 5 of section 59, the words “works covered by an agreement authorized under subsection 2” in subsection 7 of section 59, and the words “the works mentioned in subsection 1” in subsection 10 of section 59 shall also include the works held in trust under this section.

Transfer of reserves

6.—(1) The Commission shall transfer to Northern Ontario Properties to the credit of the municipalities now comprised in the Thunder Bay System those portions of the reserves for rate stabilization and contingencies of the Thunder Bay System as at December 31st, 1951, which were contributed on a horse-power or kilowatt basis by the municipalities being supplied with power at cost in that system.

Transfer of reserves

(2) The Commission shall transfer to Northern Ontario Properties to the credit of Her Majesty, for Her benefit only, those portions of the reserves for rate stabilization and contingencies of the Thunder Bay System as at December 31st, 1951, which were contributed on a horse-power or kilowatt basis by customers other than the municipalities being supplied with power at cost in that system.

Transfer of rural power district rates suspense account

(3) The Commission shall transfer to Northern Ontario Properties to be charged to the account of Her Majesty the rural power district rates suspense account of the Thunder Bay System as at December 31st, 1951, and the deficit account under the agreement dated June 30th, 1933, entered into pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, as at December 31st, 1951.

R.S.O. 1927, c. 57; 1933, c. 47

Transfer of sinking fund

(4) The sinking fund of the Thunder Bay System as at December 31st, 1951, shall be transferred to the Northern Ontario Properties to the credit of the municipalities then comprising the system, excepting that portion pertaining to the mining area and the rural power district which shall be credited to the account of Her Majesty; and the sinking funds in respect of properties held in trust pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, as at December 31st, 1951, shall be transferred to the Northern Ontario Properties to the credit of Her Majesty.

Transfer of reserves

(5) The Commission shall transfer to Northern Ontario Properties for the common benefit of the beneficiaries under the trust, reserve accounts as of December 31st, 1951, of the Thunder Bay System and the reserve accounts as at December 31st, 1951, held in trust for Her Majesty under the agreement dated June 30th,

1933, entered into pursuant to section 43a of *The Power Commission Act*, as enacted by section 1 of *The Power Commission Act, 1933*, excepting those reserve accounts referred to in subsections 1, 2, 3 and 4 above. R.S.O.
1927, c. 57;
1933, c. 47

7. Section 69 of *The Power Commission Act* is amended by adding at the end thereof the words "or to any contract for the supply of electrical power or energy under section 90", so that the section shall read as follows: Rev. Stat.,
c. 281, s. 69,
amended

69. Notwithstanding anything in section 68, it shall not be necessary to obtain the approval of the Lieutenant-Governor in Council to any contract for the supply by the Commission of electrical power or energy to any person from works that the Commission has acquired or constructed and is operating for the distribution of electrical power or energy or to any contract for the supply of electrical power or energy under section 90. Approval of
Lieutenant-
Governor in
Council
not required
to certain
contracts

8. This Act comes into force on the day it receives Royal Assent. Commence-
ment

9. This Act may be cited as *The Power Commission Amendment Act, 1953*. Short title

CHAPTER 95

An Act to amend The Rural Telephone Systems Act, 1951

Assented to April 2nd, 1953.

Session Prorogued April 2nd, 1953.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. *The Rural Telephone Systems Act, 1951* is amended by adding thereto the following section: 1951, c. 80,
amended

2a.—(1) The Commission may appoint a director, a commercial supervisor, an engineering supervisor and such other officers and employees as it deems proper for the purposes of this Act. Officers, etc.,
appoint-
ment

- Duties
- (2) In order to assist the Commission in promoting the objects of this Act, it shall be the duty of the officers appointed under subsection 1,
- (a) to inquire into the communication needs of the Province, both immediate and future, and to co-operate with and assist the companies in establishing adequate facilities;
- (b) to co-operate with and assist the smaller companies to amalgamate with others in order to form companies of sufficient size to permit efficient operation and to provide adequate service;
- (c) to provide engineering and other technical advice to companies; and
- (d) to develop a system of accounting best suited to small companies and to promote and assist in its adoption.

Commence-
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Rural Telephone Systems Amendment Act, 1953*.

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

CITIES			
North Bay.....	Nov. 16, 1953	Easthope North.....Apr. 7, 1953	
Sudbury.....	Nov. 16, 1953	Easthope South.....Apr. 7, 1953	
		Emily.....Nov. 16, 1953	
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Dryden.....	Feb. 17, 1953	Gwillimbury West.....Mar. 27, 1953	
Massey.....	Mar. 17, 1953	Haldimand.....Mar. 17, 1953	
Rockland.....	Sept. 29, 1953	Holland.....Nov. 30, 1953	
Vankleek Hill.....	June 12, 1953	Luther West.....Jan. 28, 1953	
Webbwood.....	Mar. 17, 1953	Matilda.....Mar. 11, 1953	
		Mattawan.....Dec. 7, 1953	
VILLAGE		McDougall.....Jan. 19, 1953	
L'Orignal.....	June 12, 1953	Mountain.....Dec. 22, 1953	
		Osgoode.....Aug. 12, 1953	
TOWNSHIPS		Plantagenet South.....May 4, 1953	
Algona North.....	Jan. 19, 1953	Proton.....Aug. 31, 1953	
Artemesia.....	Feb. 17, 1953	Russell.....Aug. 12, 1953	
Baldwin.....	June 12, 1953	Tecumseth.....Mar. 27, 1953	
Bucke.....	May 4, 1953	Thessalon.....Dec. 22, 1953	
Casimir, Jennings & Appleby.....	Aug. 31, 1953	Thompson.....Dec. 22, 1953	
Cosby, Mason & Martland.....	Dec. 11, 1953	Thurlow.....Aug. 12, 1953	
Day & Bright Additional.....	Dec. 22, 1953	Whitby.....Jan. 28, 1953	
Dysart, Guilford, Harburn, Dudley, Harcourt, Bruton, Eyre, Clyde & Havelock.....	July 17, 1953	Winchester.....Aug. 12, 1953	
		IMPROVEMENT DISTRICT	
		Longlac.....	Nov. 11, 1953

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Aluminum Company of Canada, Limited.....	Dec. 7, 1953
Atlas Steels Limited.....	Apr. 30, 1953
Atlas Steels Limited.....	June 30, 1953
Buffalo Ankerite Gold Mines Limited.....	Oct. 15, 1953
Caland Ore Company Limited.....	Aug. 26, 1953
Caland Ore Company Limited.....	Dec. 7, 1953
Canada Cement Company, Limited.....	June 19, 1953
Canadian Carborundum Company, Limited.....	June 12, 1953
Canadian General Electric Company Limited.....	June 12, 1953
Canadian Rock Salt Company Limited.....	Aug. 31, 1953
Canadian Steel Corporation, Limited.....	Aug. 31, 1953
Cobalt Chemicals Limited and Silanco Mining & Refining Company Limited.....	Feb. 24, 1953
Deloro Smelting & Refining Company, Limited.....	Aug. 31, 1953
General Motors Diesel Limited.....	Aug. 31, 1953
Hasaga Gold Mines, Limited.....	Mar. 3, 1953
Her Majesty the Queen in right of the Province of Ontario, represented by the Minister of Reform Institutions for the Province of Ontario.....	July 13, 1953
Howard Smith Paper Mills, Limited.....	July 13, 1953
Howards & Sons (Canada) Ltd.....	May 11, 1953
Kemball, Bishop & Co. (Canada) Ltd.....	Jan. 19, 1953
Lionite Abrasives Limited.....	Mar. 17, 1953
Madsen Red Lake Gold Mines Limited.....	Sept. 29, 1953
McKinnon Industries, Limited.....	June 24, 1953
Milnet Mines Limited.....	Apr. 27, 1953
Nelson Crushed Stone, Limited.....	June 12, 1953
Newlund Mines Limited.....	Aug. 12, 1953
Nipissing-O'Brien Mines Limited.....	Jan. 28, 1953
Ontario-Minnesota Pulp and Paper Company Limited.....	Mar. 27, 1953
Pembroke Electric Light Company Limited.....	Nov. 16, 1953
Roe, A. V., Canada Limited.....	Feb. 3, 1953
St. Mary's Cement Company, Limited.....	May 4, 1953
Sheaffer, W. A., Pen Company of Canada Limited.....	June 29, 1953
Silver-Miller Mines Limited.....	Jan. 28, 1953
Somerville Limited.....	July 31, 1953
Starratt Olsen Gold Mines Limited.....	Sept. 29, 1953
Steep Rock Iron Mines Limited.....	June 12, 1953
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